APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Reactions of MXXAlkyl Phosphites and Esters of Hydroxymethylphosphonic Acid With Dialkylthiocarbamyl Chlorides and Aryl Isothiocyanates, by M. S. Malinovskiy, V. V. Alekseyev.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [redacted] 1959, pp 136-143. 21 Nov - 1 Dec

ATS RJ-3995

Sci-Chem
Dec 63

244 921

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Reaction of Dyalkyl Phosphonates with Quinones, by M. G. Voronkov.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfor-organicheskikh Soedineniy, [illegible] 1959, pp 203-206. 26 Nov - 1 Dec

ATS RJ-3998

Sci-Chem
Dec 63

244,922

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Reaction of Esters of Phosphorous Acid with Trichloroacetyl Chloride, by L. Z. Soborovskiy.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [redacted] 1959, pp 232-235. NOV 26-DEC 1

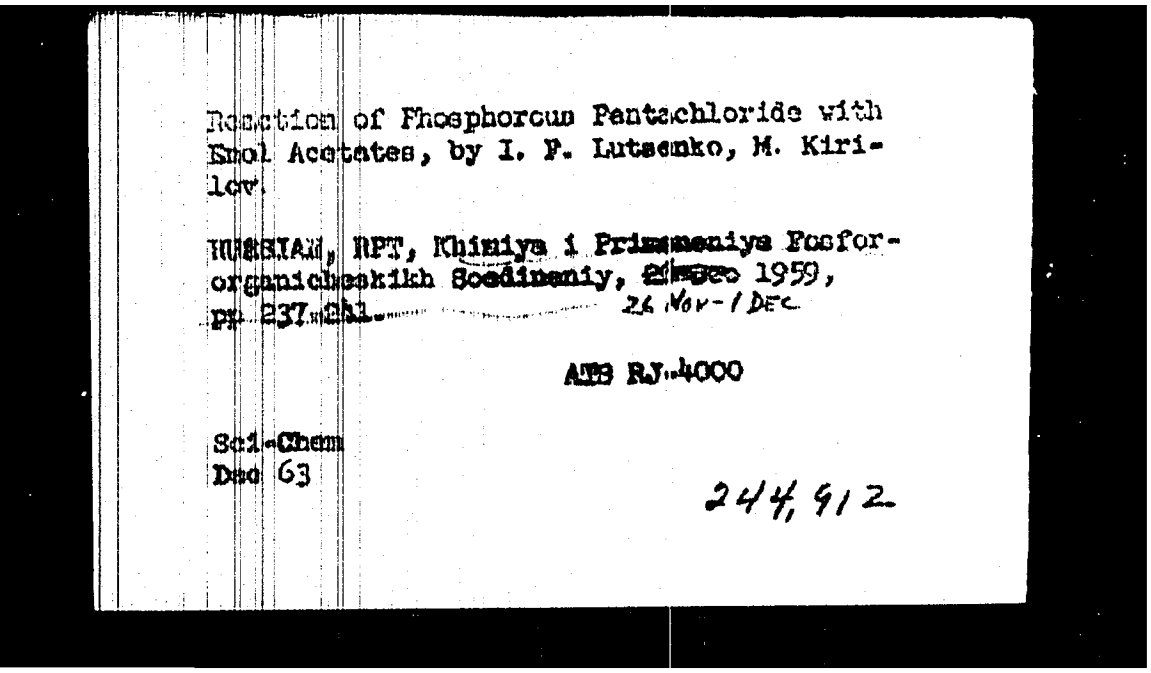
ATS RJ--3999

Bul-Chem
Dec 63

244,911

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Reaction of Phosphorous Pentachloride with Enol Acetates, by I. F. Lutsenko, M. Kirilov.

[illegible], NPT, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [illegible] 1959, pp. 237-241. 26 Nov-1 Dec.

ATD RJ-4000

Sci-Chem
Dec 63

244,912

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Synthesis of Some Bifunctional Compounds Containing Phosphhrous, by B. A. Arbuzov.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [illegible] 1959, pp 272-276. 26 Nov - 1 Dec

ATS RJ-1003

Sci- Chem
Dec 63

244, 913

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Synthesis and Applications of Organophosphorous Compounds in th Plastics Industry, P. A. Moglkin.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedinenly, [redacted] 1959, pp 279-201. 26 Nov - 1 Dec

ATS RJ-1004

Sci-Chem
Dec 63

.244,914

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Phosphorous-containing Polyester [illegible] and Polyamide Resins, by K. A. Petrov.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [illegible] 1959, pp 285-291. Nov 26-DR 1

ATS RJ-4005

Sci-Chem
Dec 63

244,907

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Substituted Organophosphorous Compounds as Monomers for High Polymers, by E. V. Kuznetsov.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, 1959, pp 296-304. Nov 26 - DEC 1

ATS NRJ-4007

Sci-Chem
Dec 63

244,908

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Synthesis Based on Phosphine, by E. V. Kuznetsov.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [redacted] 1959, pp 324-328. Nov 26-Dec 1

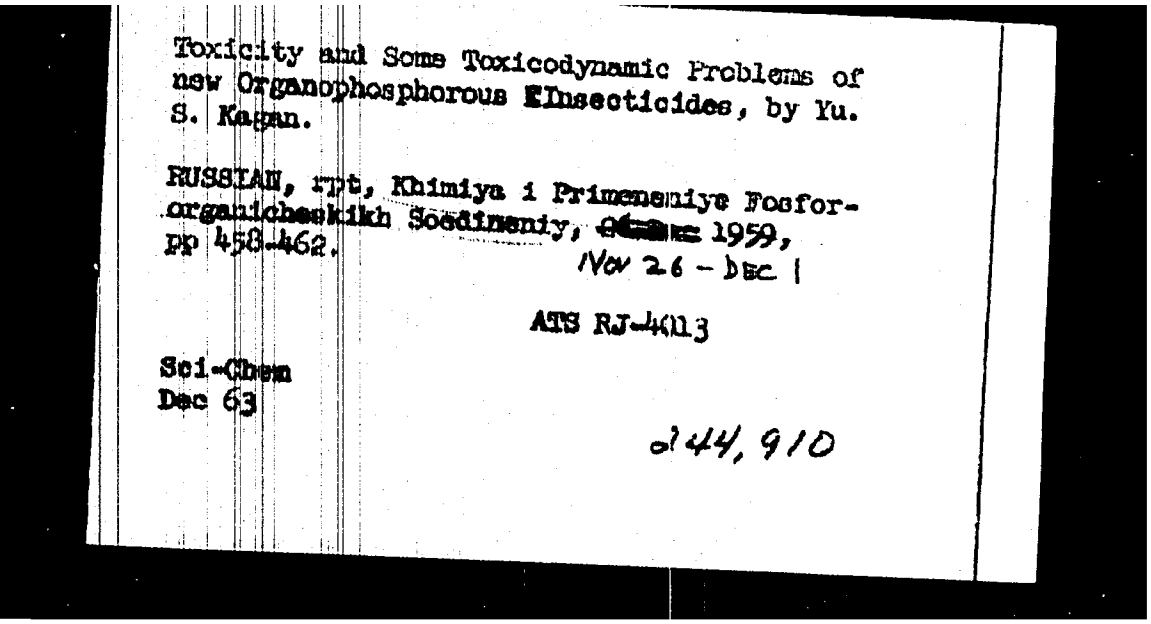
ATS RJ-4010

Sci-Chem
Dec 63

244,909

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Toxicity and Some Toxicodynamic Problems of new Organophosphorous Insecticides, by Yu. S. Kagan.

RUSSIAN, rpt, Khimiya i Primeneniye Fosfororganicheskikh Soedineniy, [illegible] 1959, pp 458-462.
Nov 26 - Dec 1

ATS RJ-4013

Sci-Chem
Dec 63

144,910

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Sorption of Organophosphorous Insecticide Vapors by Activated Carbon, by Yu. I. Kundiyev, M. E. podlinyayeva.

UZBEKTAN, rpt, Khimiya i Primeneniye Foefororganicheskikh Soedineniy, 26-Dec 1959, pp 625-627.

ATS RJ-4015

Sci-Chem
Dec 63

244,903

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Chemistry and Application of Organophosphorus Compounds, by A. Ye. Arbuzov, ~~XXX~~ editor, 1154 pp.

RUSSIAN, bk, Khimiya i Primeneniye Fosforoorganicheskikh Soyedineniy, 1962, pp 1-632.

JPRS 15432

Sci - Chem
Oct 62

212,464

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Mastryukova, T. A.
TAUTOMERISM AND STRUCTURE OF THIO ACIDS OF PHOSPHORUS. APPLICATION OF THE HAMMETT EQUATION TO THE THEORY OF TAUTOMERIC EQUILIBRIUM. [1962] 10p.
Order from ATS $11.50 ATS-03P66R

Trans. of mono. Khim[iya] i Primenenie Fosfororgan-[icheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 57-64.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphorus compounds, *Thio radicals, *Acids, *Stereochemistry, Molecular isomerism, Molecular structure, Reaction kinetics, Theory, Equations.

(Chemistry--Physical, TT, v. 9, no. 5)

63-12456

1. Title: Hammett equation
2. Title: Tautomerism
I. Mastryukova, T. A.
II. ATS-03P66R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-3976

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Gilyarov, V. A.
TAUTOMERISM OF SOME IMIDES OF PHOSPHORUS ACIDS. [1962] 9p.
Order from ATS $10.75 ATS-78P63R

Trans. of mono. Khimiya i Primenenie Fosfororganicheskikh Soedinenii (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 75-83.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349. JPRS-15432, 25 Sep 62 [116O]p.

DESCRIPTORS: *Phosphorus acids, Imides, Molecular isomerism.

(Chemistry--Organic, TT, v. 9, no. 7)

63-12637

I. Gilyarov, V. A.
II. ATS-78P63R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS KT-3781

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Shipov, A. E.
PREPARATION AND PROPERTIES OF DIALKYLPHOSPHINODITHIOIC ACIDS. [1962] 5p.
Order from ATS $6.00 ATS-79P63R

Trans. of mono. Khim[iya] i Primenenie Fosfororganicheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazansk. Filial, Tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 84-87.

DESCRIPTORS: *Phosphines, Alkyl radicals, *Thio radicals, Acids, Preparation, Chemical properties.

(Chemistry--Organic, TT, v. 9, no. 5)

63-12472

I. Shipov, A. E.
II. ATS-79P63R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS KT-3978

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Kukhtin, V. A. and Orekhova, K. M.
SOME NEW TYPES OF THE ARBUZOV REARRANGEMENT. [1962] 6p.
Order from ATS $8.90 ATS-80P63R

Trans. of mono. Khim[iya] i Primenenie Fosfororgan[icheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazanskiy Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 88-93.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphonic acids, *Esters, Synthesis.

(Chemistry--Organic, TT, v. 9, no. 1)

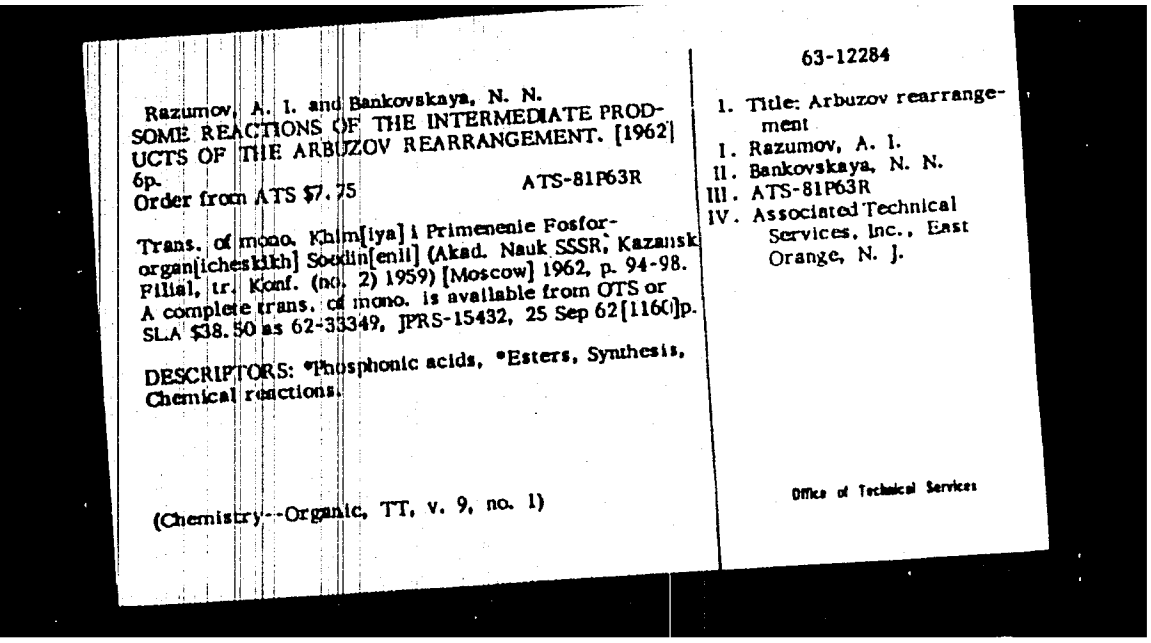
63-12286

1. Title: Arbuzov rearrangement
I. Kukhtin, V. A.
II. Orekhova, K. M.
III. ATS-80P63R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Razumov, A. I. and Bankovskaya, N. N.
SOME REACTIONS OF THE INTERMEDIATE PRODUCTS OF THE ARBUZOV REARRANGEMENT. [1962]
6p.
Order from ATS $7.75 ATS-81P63R

Trans. of mono. Khim[iya] i Primenenie Fosfororgan[icheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazanisk Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 94-98.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62[116C]p.

DESCRIPTORS: *Phosphonic acids, *Esters, Synthesis, Chemical reactions.

(Chemistry--Organic, TT, v. 9, no. 1)

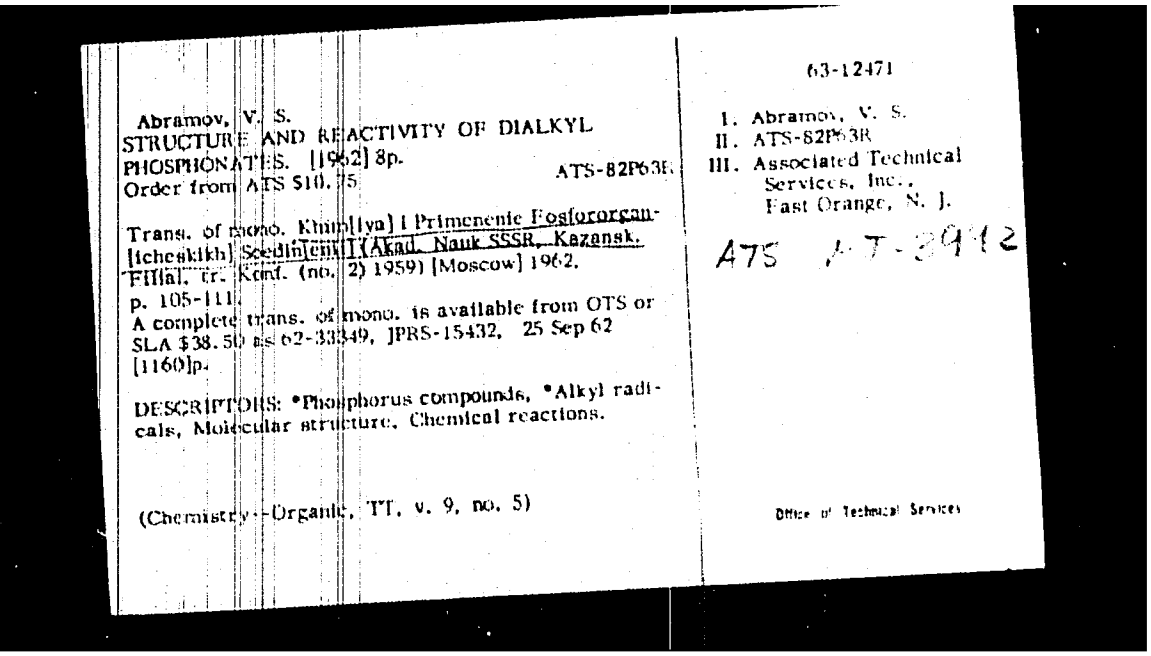
63-12284

1. Title: Arbuzov rearrangement
I. Razumov, A. I.
II. Bankovskaya, N. N.
III. ATS-81P63R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Abramov, V. S.
STRUCTURE AND REACTIVITY OF DIALKYL PHOSPHONATES. [1962] 8p.
Order from ATS $10.75 ATS-82P63R

Trans. of mono. Khim[iya] i Primenenie Fosfororgan-[icheskikh] Soedin[enii] [Y] (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962. p. 105-111.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphorus compounds, *Alkyl radicals, Molecular structure, Chemical reactions.

(Chemistry--Organic, TT, v. 9, no. 5)

63-12471

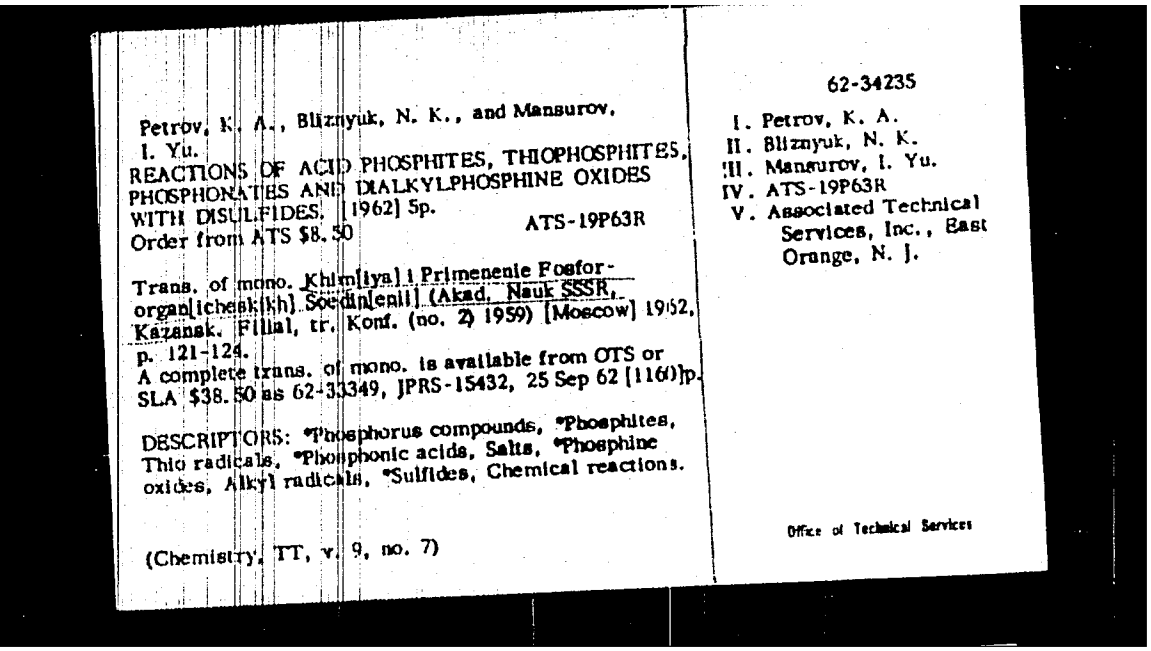
I. Abramov, V. S.
II. ATS-82P63R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS AT-3912

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Petrov, K. A., Bliznyuk, N. K., and Mansurov, I. Yu.
REACTIONS OF ACID PHOSPHITES, THIOPHOSPHITES, PHOSPHONATES AND DIALKYLPHOSPHINE OXIDES WITH DISULFIDES. [1962] 5p.
Order from ATS $8.50 ATS-19P63R

Trans. of mono. Khim[iya] i Primenenie Fosfor-organ[icheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 121-124.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [116(0)]p.

DESCRIPTORS: *Phosphorus compounds, *Phosphites, Thio radicals, *Phosphonic acids, Salts, *Phosphine oxides, Alkyl radicals, *Sulfides, Chemical reactions.

(Chemistry, TT, v. 9, no. 7)

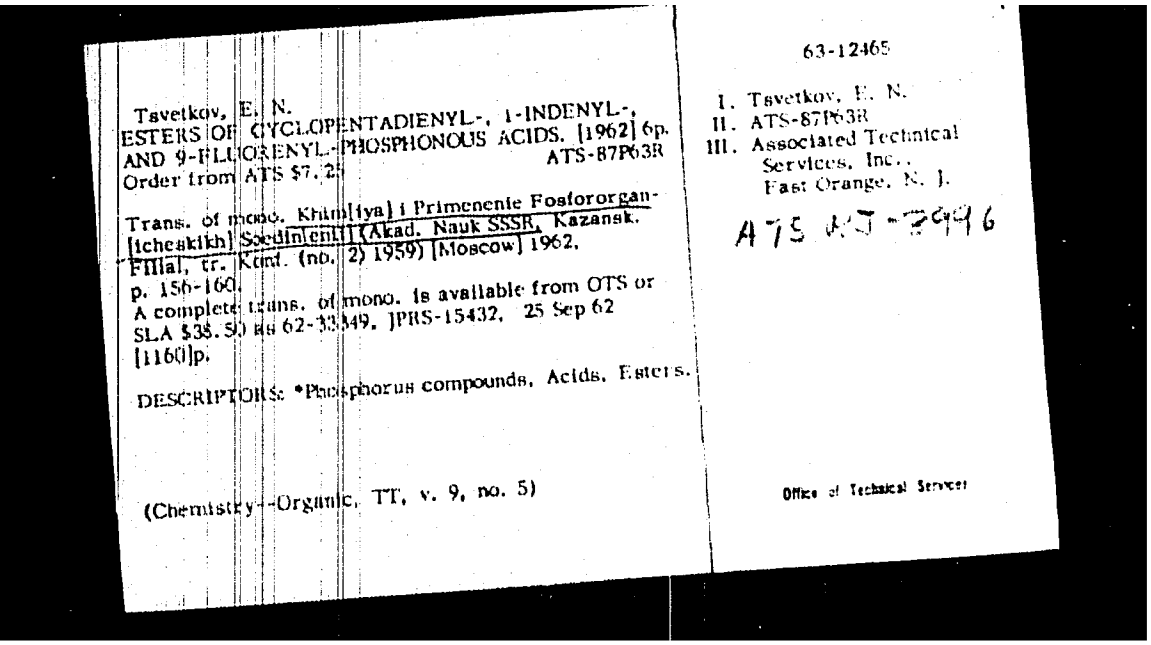
62-34235

I. Petrov, K. A.
II. Bliznyuk, N. K.
III. Mansurov, I. Yu.
IV. ATS-19P63R
V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Tsvetkov, E. N.
ESTERS OF CYCLOPENTADIENYL-, 1-INDENYL-, AND 9-FLUORENYL-PHOSPHONOUS ACIDS. [1962] 6p. ATS-87P63R
Order from ATS $7.25

Trans. of mono. Khimiya i Primenenie Fosfororganicheskikh Soedinenii (Akad. Nauk SSSR, Kazansk. Filial, tr. Kond. (no. 2) 1959) [Moscow] 1962. p. 156-160.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33849. JPRS-15432, 25 Sep 62 [116O]p.

DESCRIPTORS: *Phosphorus compounds, Acids, Esters.

(Chemistry--Organic, TT, v. 9, no. 5)

63-12465

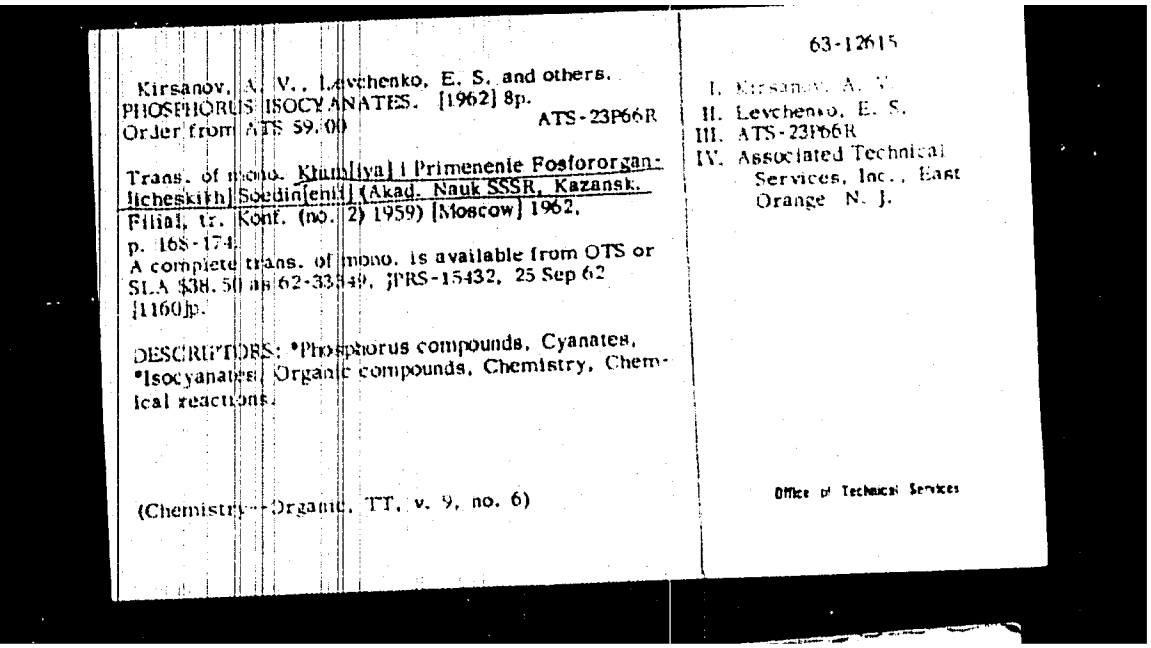
I. Tsvetkov, E. N.
II. ATS-87P63R
III. Associated Technical Services, Inc., East Orange, N. J.

ATS AS-2496

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Kirsanov, A. V., Levchenko, E. S. and others.
PHOSPHORUS ISOCYANATES. [1962] 8p.
Order from ATS 59.00) ATS-23P66R

Trans. of mono. Khimiiya i Primenenie Fosfororganicheskikh Soedinenii (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 168-174.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphorus compounds, Cyanates, *Isocyanates, Organic compounds, Chemistry, Chemical reactions.

(Chemistry--Organic, TT, v. 9, no. 6)

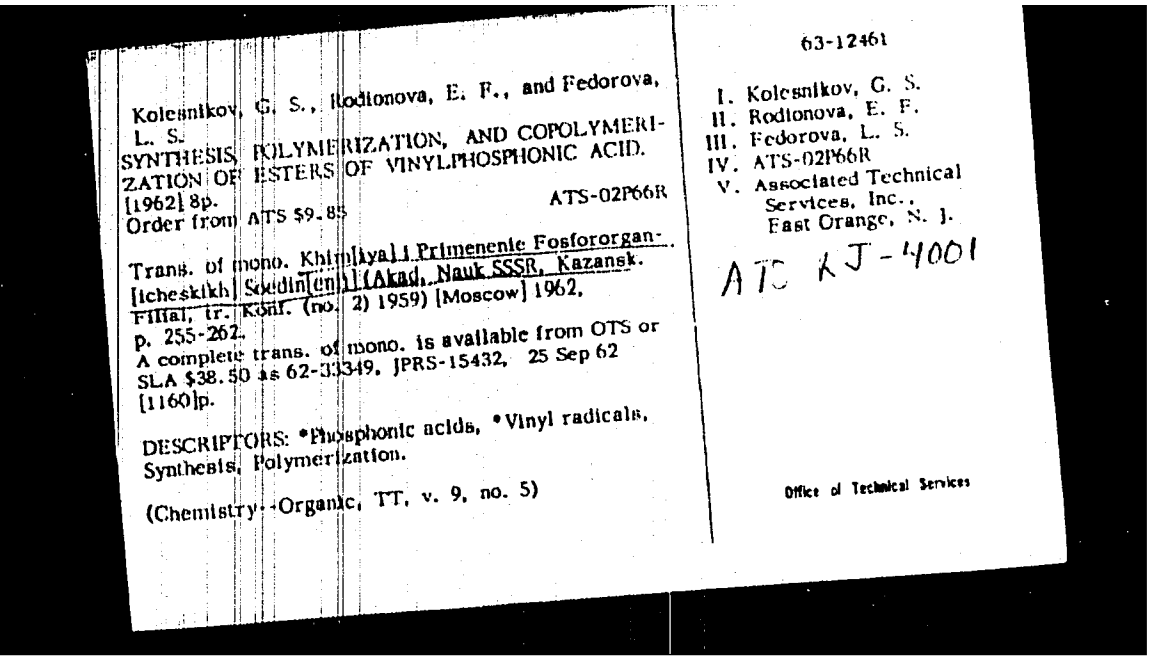
63-12615

I. Kirsanov, A. V.
II. Levchenko, E. S.
III. ATS-23P66R
IV. Associated Technical Services, Inc., East Orange N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Kolesnikov, G. S., Rodionova, E. F., and Fedorova, L. S.
SYNTHESIS, POLYMERIZATION, AND COPOLYMERIZATION OF ESTERS OF VINYLPHOSPHONIC ACID.
[1962] 8p.
Order from ATS $9.85 ATS-02P66R

Trans. of mono. Khimiya i Primenenie Fosfororganicheskikh Soedinenii (no. 2) 1959) [Moscow] 1962, Filial, tr. Kom. (Akad. Nauk SSSR, Kazansk. p. 255-262.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphonic acids, *Vinyl radicals, Synthesis, Polymerization.

(Chemistry--Organic, TT, v. 9, no. 5)

63-12461

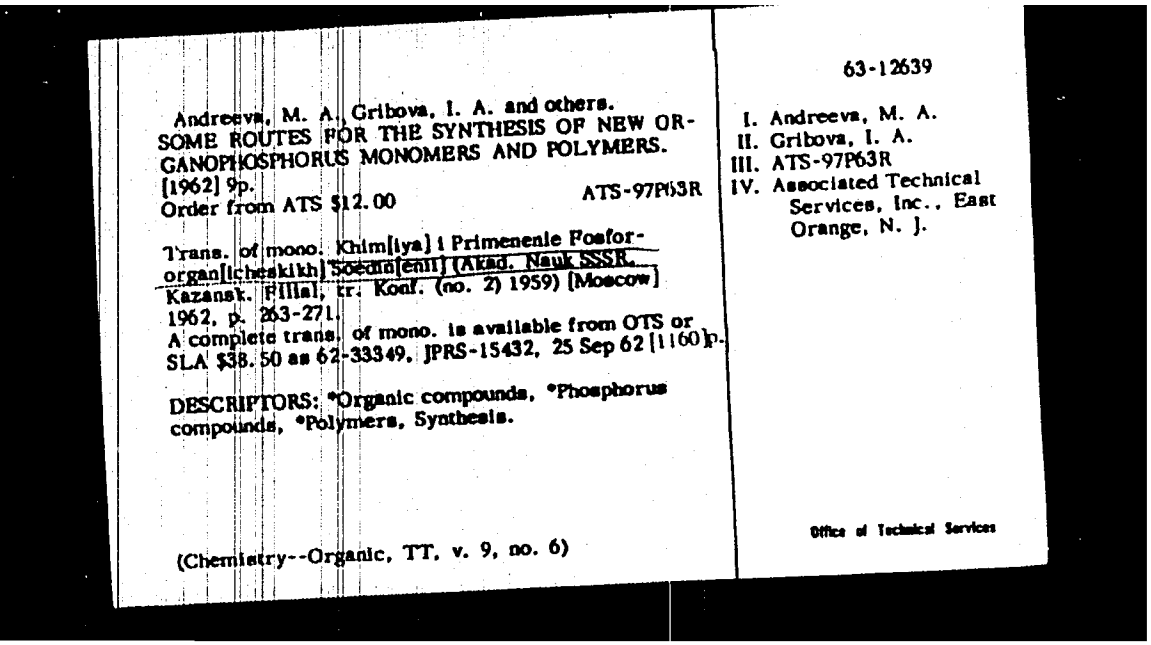
I. Kolesnikov, G. S.
II. Rodionova, E. F.
III. Fedorova, L. S.
IV. ATS-02P66R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS KJ-4001

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Andreeva, M. A., Gribova, I. A. and others.
SOME ROUTES FOR THE SYNTHESIS OF NEW ORGANOPHOSPHORUS MONOMERS AND POLYMERS.
[1962] 9p.
Order from ATS $12.00 ATS-97P63R

Trans. of mono. Khim[iya] i Primenenie Fosfororgan[icheskikh] Soedin[enii] (Akad. Nauk SSSR. Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 263-271.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Organic compounds, *Phosphorus compounds, *Polymers, Synthesis.

(Chemistry--Organic, TT, v. 9, no. 6)

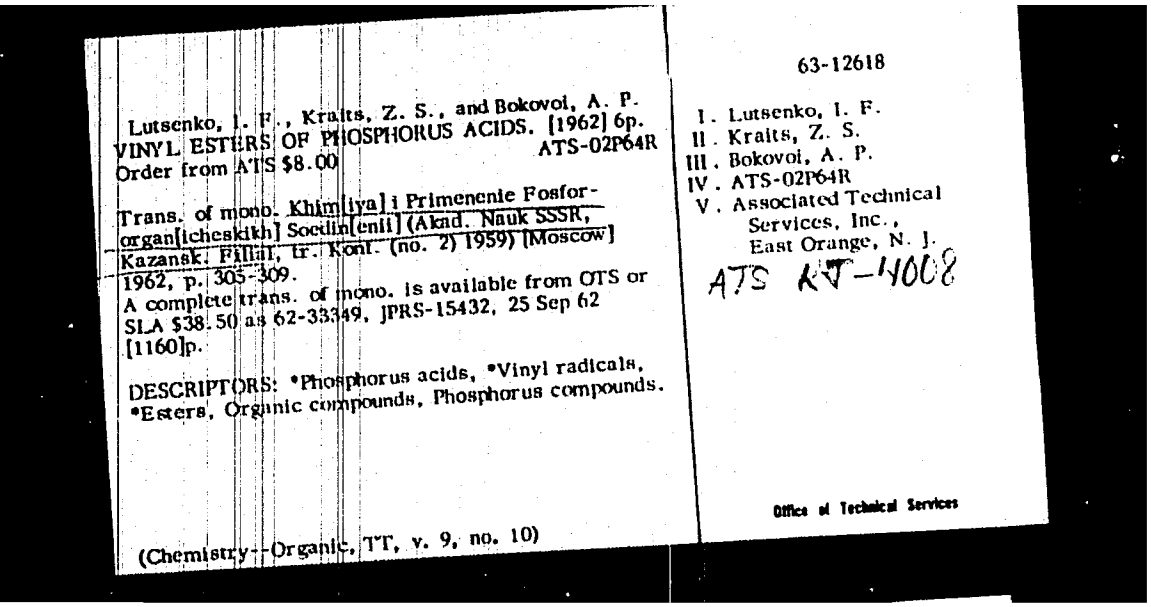
63-12639

I. Andreeva, M. A.
II. Gribova, I. A.
III. ATS-97P63R
IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Lutsenko, I. F., Kraits, Z. S., and Bokovoi, A. P.
VINYL ESTERS OF PHOSPHORUS ACIDS. [1962] 6p.
Order from ATS $8.00 ATS-02P64R

Trans. of mono. Khim[iya] i Primenenie Fosfor-organ[icheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 305-309.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphorus acids, *Vinyl radicals, *Esters, Organic compounds, Phosphorus compounds.

(Chemistry--Organic, TT, v. 9, no. 10)

63-12618

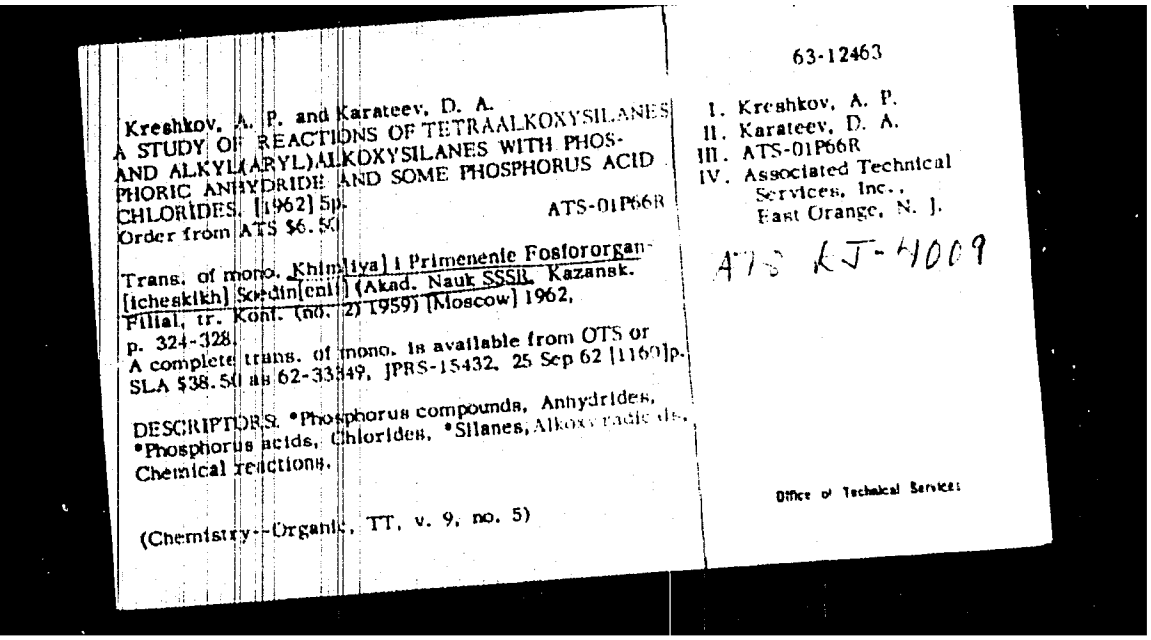
I. Lutsenko, I. F.
II. Kraits, Z. S.
III. Bokovoi, A. P.
IV. ATS-02P64R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS KT-4008

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Kreshkov, A. P. and Karateev, D. A.
A STUDY OF REACTIONS OF TETRAALKOXYSILANES AND ALKYL(ARYL)ALKOXYSILANES WITH PHOSPHORIC ANHYDRIDE AND SOME PHOSPHORUS ACID CHLORIDES. [1962] 5p.
Order from ATS $6.50 ATS-01P66R

Trans. of mono. Khimiya i Primenenie Fosfororganicheskikh Soedin[enii] (Akad. Nauk SSSR. Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 324-328.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33849, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Phosphorus compounds, Anhydrides, *Phosphorus acids, Chlorides, *Silanes, Alkoxy radicals, Chemical reactions.

(Chemistry--Organic, TT, v. 9, no. 5)

63-12463

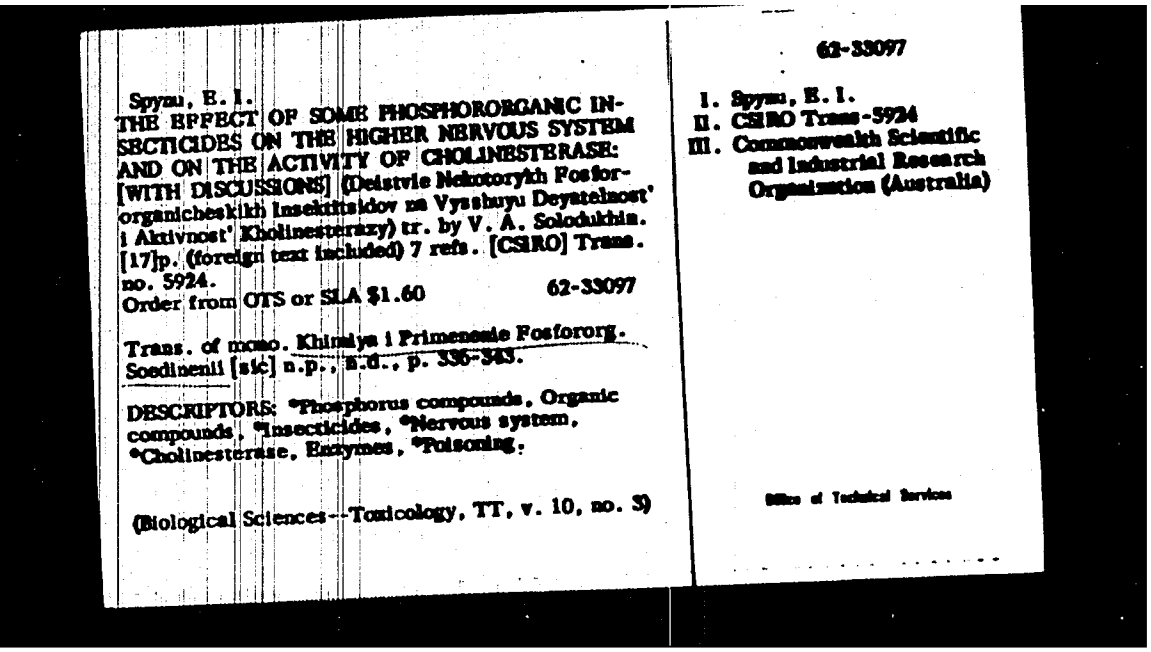
I. Kreshkov, A. P.
II. Karateev, D. A.
III. ATS-01P66R
IV. Associated Technical Services, Inc., East Orange, N. J.

ATS KJ-4009

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Spynu, E. I.
THE EFFECT OF SOME PHOSPHORORGANIC INSECTICIDES ON THE HIGHER NERVOUS SYSTEM AND ON THE ACTIVITY OF CHOLINESTERASE: [WITH DISCUSSIONS] (Deistvie Nekotorykh Fosfororganicheskikh Insektitsidov na Vysshuyu Deyatelnost' i Aktivnost' Kholinesterazy) tr. by V. A. Solodukhin. [17]p. (foreign text included) 7 refs. [CSIRO] Trans. no. 5924.
Order from OTS or SLA $1.60 62-33097

Trans. of mono. Khimiya i Primenenie Fosfororg. Soedinenii [sic] n.p., n.d., p. 336-343.

DESCRIPTORS: *Phosphorus compounds, Organic compounds, *Insecticides, *Nervous system, *Cholinesterase, Enzymes, *Poisoning.

(Biological Sciences--Toxicology, TT, v. 10, no. 3)

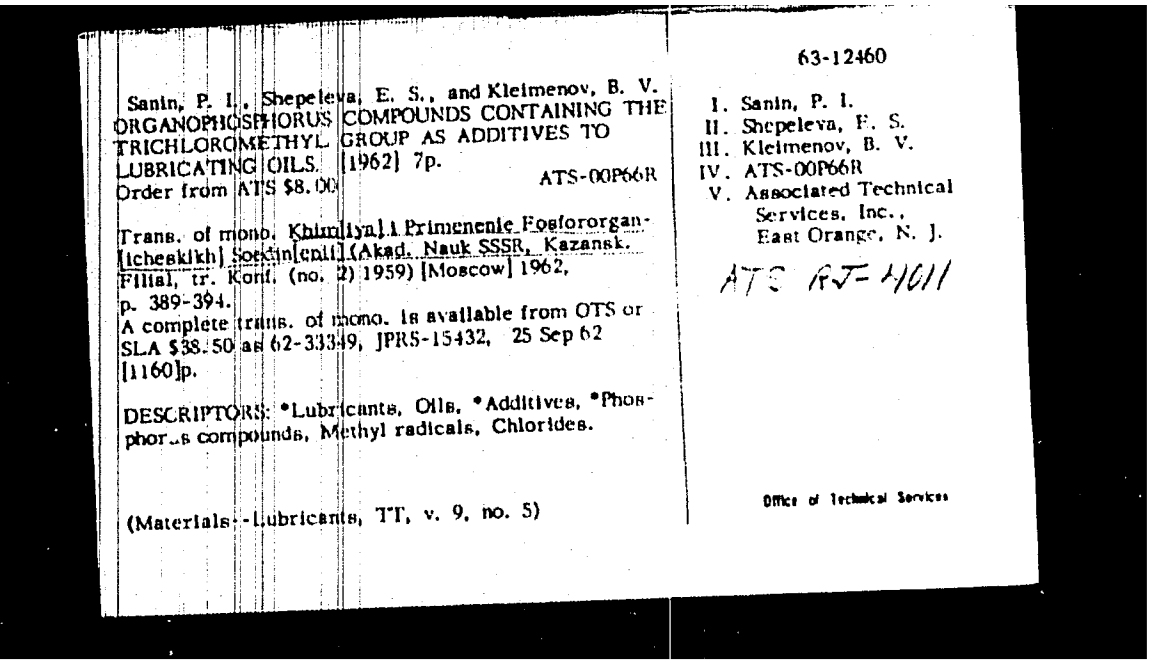
62-33097

I. Spynu, E. I.
II. CSIRO Trans-5924
III. Commonwealth Scientific and Industrial Research Organization (Australia)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Sanin, P. I., Shepeleva, E. S., and Kleimenov, B. V.
ORGANOPHOSPHORUS COMPOUNDS CONTAINING THE TRICHLOROMETHYL GROUP AS ADDITIVES TO LUBRICATING OILS. [1962] 7p.
Order from ATS $8.00 ATS-00P66R

Trans. of mono. Khimiya i Primenenie Fosfororganicheskikh Soedinenii (Akad. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 389-394.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62 [1160]p.

DESCRIPTORS: *Lubricants, Oils, *Additives, *Phosphorus compounds, Methyl radicals, Chlorides.

(Materials--Lubricants, TT, v. 9, no. 5)

63-12460

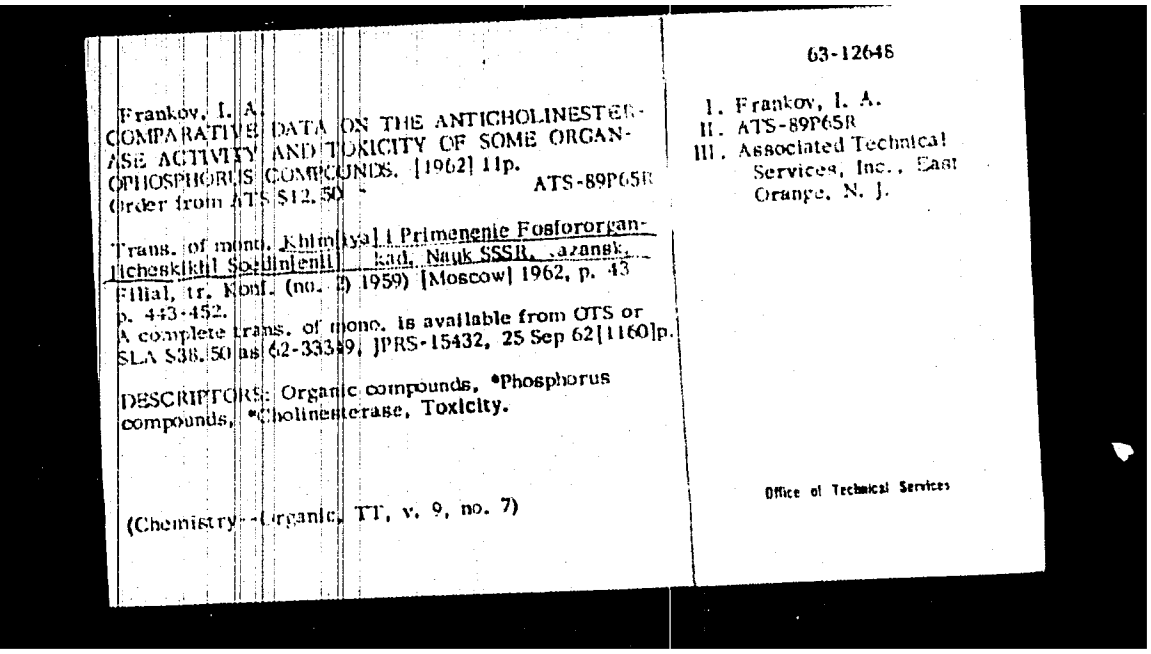
I. Sanin, P. I.
II. Shepeleva, E. S.
III. Kleimenov, B. V.
IV. ATS-00P66R
V. Associated Technical Services, Inc., East Orange, N. J.

ATS AJ-4011

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Frankov, I. A.
COMPARATIVE DATA ON THE ANTICHOLINESTERASE ACTIVITY AND TOXICITY OF SOME ORGANOPHOSPHORUS COMPOUNDS. [1962] 11p.
Order from ATS $12.50 - ATS-89P65R

Trans. of mono. Khimiya i Primenenie Fosfororganicheskikh Soedinenii. Trudy Kaz. Nauk SSSR, Kazansk. Filial, tr. Konf. (no. 5) 1959) [Moscow] 1962, p. 43 p. 443-452.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62[1160]p.

DESCRIPTORS: Organic compounds, *Phosphorus compounds, *Cholinesterase, Toxicity.

(Chemistry--Organic, TT, v. 9, no. 7)

63-12648

I. Frankov, I. A.
II. ATS-89P65R
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Zaugol'nikov, S. D.
THE TOXICOLOGY OF ORGANOPHOSPHORUS COMPOUNDS. [1962] 5p.
Order from ATS $9.75 ATS-08P64R

Trans. of mono. Khim[iya] i Primenenie Fosfororgan[icheskikh] Soedin[enii] (Akad. Nauk SSSR, Kazanskiy Filial, tr. Konf. (no. 2) 1959) [Moscow] 1962, p. 480-484.
A complete trans. of mono. is available from OTS or SLA $38.50 as 62-33349, JPRS-15432, 25 Sep 62[1160]p.

DESCRIPTORS: *Organic compounds, *Phosphorus compounds, *Toxicity.

(Biological Sciences--Toxicology, TT, v. 9, no. 2)

62-34170

I. Zaugol'nikov, S. D.
II. ATS-08P64R
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Chemistry of Synthetic Resins, by I. P. Losev, G. S. Petrov, [redacted]

RUSSIAN, bk, Khimiya iskusstvennykh smol, publ by State Publ House of Sci-Tech Literature on Chemistry, 1951, 432 pp -

Treasure Island Bib Rpt
Air 68-Phase II

Scientific - Chemistry

Apr 54 CIS

11, 457

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

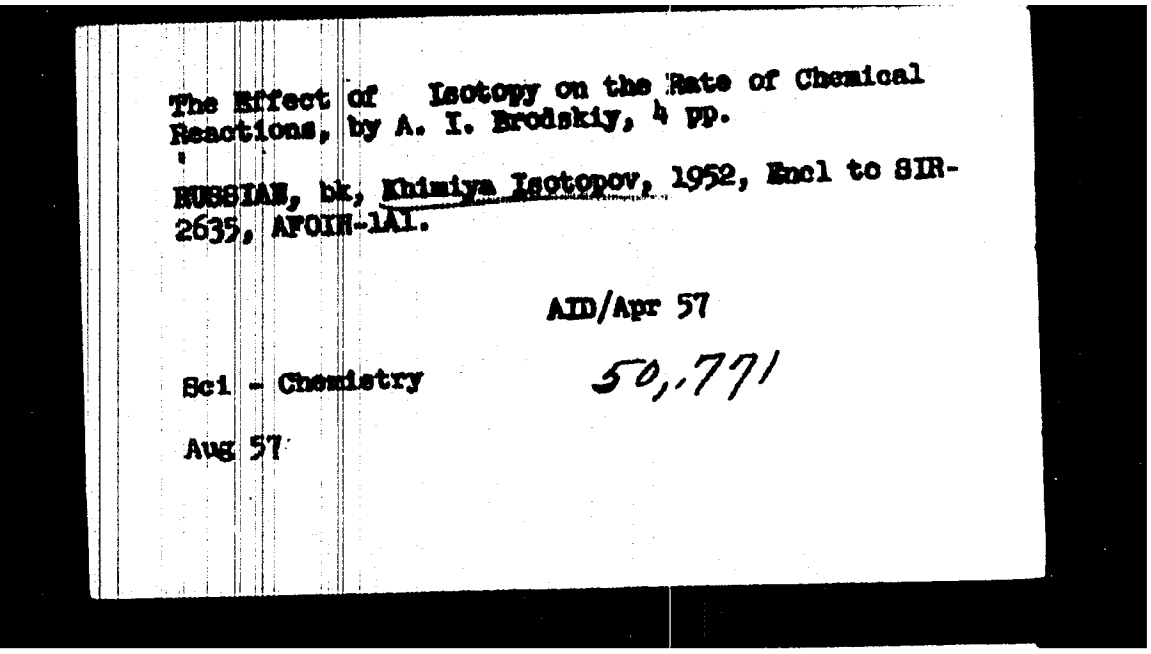
APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Chemical Current Sources; Manual,
by Martin Avetisovich Dasoyan.
RUSSIAN, bk, Khimicheskiye Istochniki
Toka; Spravochnoye Posobiye, Moscow,
1961.
~~FTD-HT-65-454~~
FTD-TT-66-7

Sci - Chem
Oct 65

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



The Effect of Isotopy on the Rate of Chemical Reactions, by A. I. Brodskiy, 4 pp.

RUSSIAN, bk, Khimiya Isotopov, 1952, Encl to SIR-2635, AFOIR-1A1.

AID/Apr 57

Bc1 - Chemistry

50,771

Aug 57

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Surface Catalysis: Ortho-Para Conversions, by A. I. Brodskiy, 5 pp.

RUSSIAN, bk, Khimiya Isotopov, 1953, pp 282-284, Encl to SIR-2652, AFOIN-1A1.

AID/Apr 57

50,770

Sci - Chemistry
Aug 57

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Production of Phosphonitrile Chloride, by S. M. Zhivukhin. RUSSIAN, per, Khimicheskaya Promyshlennost, No 1, 1962, pp 19-23 NTC 72-11377-07A

June 72

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Preparation of the Hydroperoxides of Alkylaromatic Hydrocarbons and Their Initiating Properties in the Copolymerization of Butadiene With Styrene, by S. V. Zavgorodnii.
RUSSIAN, per, Khimicheskaya Promyshlennost, Vol 38, No 3, 1962, pp 181-185.
JPRS 72-10843-070

Apr 72

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Wear-Resistant Catalyst for the
Conversion of Methanol Into Formaldehyde
in a Fluidized Bed, by I. P. Mukhlenov.
RUSSIAN, per, Khimicheskaya Promyshlennost,
No 11, 1963, pp 847-849
NTC 72-11607-07A

June 72

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

An Automatic System for Measuring the Electrical Conductivity of Solutions Used in the Manufacture of Alumina, by R. B. Popov.
RUSSIAN, per, Khim Prom, Inform Nauk-tekhn Zb, No 2, 1964, pp 45-47.
ATS-UU-5271

Sci-Materials
Mar 70

403,218

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Investigations into Ammonia-Carbon Dioxide Equilibria over Aqueous Boron-Glycerin Solutions, by V. M. Kozin, et al.
RUSSIAN, per, Khimichna Promyslovist Ukraini, No 2, 1963, pp 10-14.
NTC 71-13917-07D

Feb 72

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

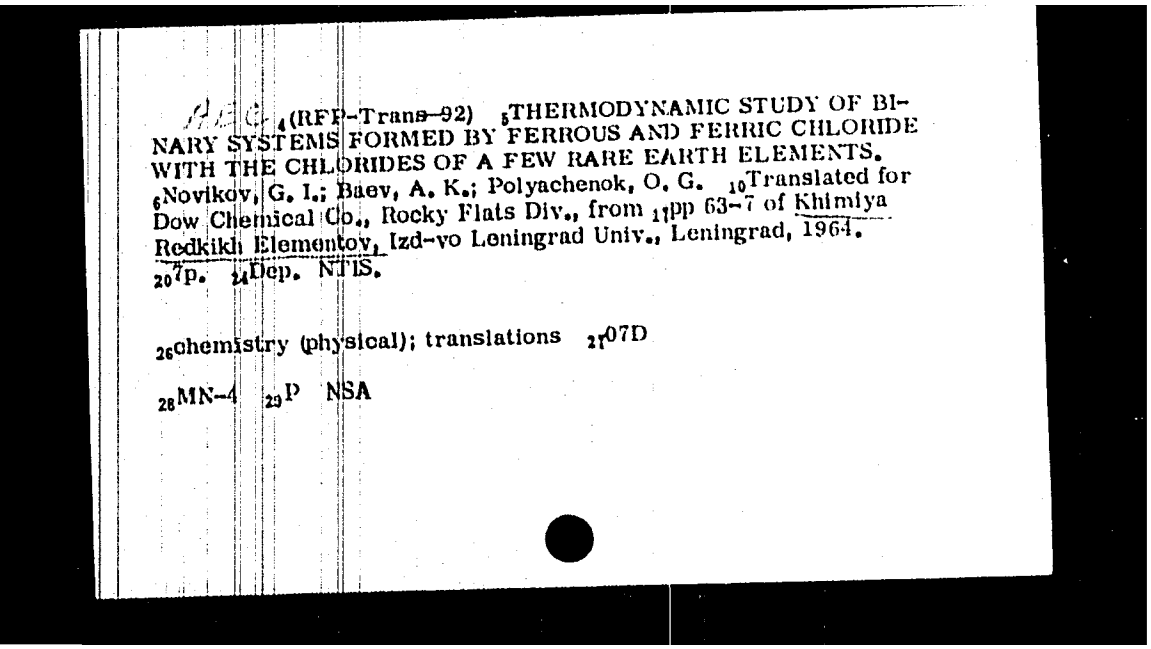
APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Smelting of Copper Concentrates in a Horizontal Cyclone Furnace, by V. Velev.
RUSSIAN, per, Khimiko-Tekhnologicheskii Institut, Sofia, Godishnik, Vol 11, No 3, 1964, pp 103-109.
NTC 72-10214-07A

Apr 72

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



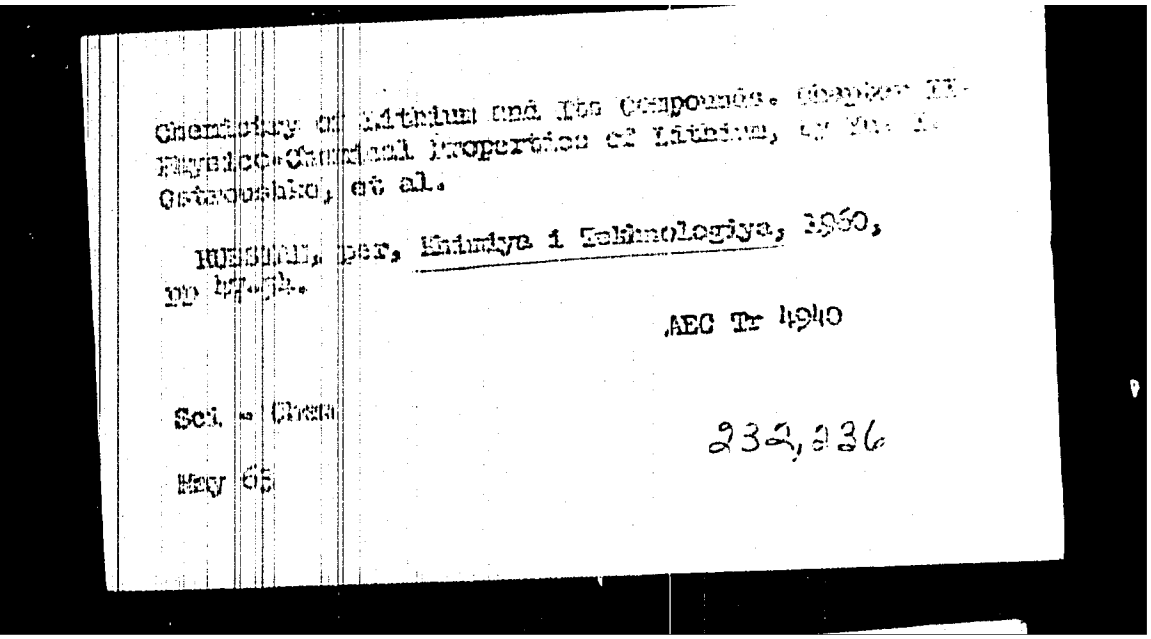
AEC (RFP-Trans-92) THERMODYNAMIC STUDY OF BINARY SYSTEMS FORMED BY FERROUS AND FERRIC CHLORIDE WITH THE CHLORIDES OF A FEW RARE EARTH ELEMENTS. Novikov, G. I.; Baev, A. K.; Polyachenok, O. G. Translated for Dow Chemical Co., Rocky Flats Div., from pp 63-7 of Khimiya Redkikh Elementov, Izd-vo Leningrad Univ., Leningrad, 1964. 207p. Dep. NTIS.

Chemistry (physical); translations 07D

MN-4 P NSA

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Chemistry of Lithium and Its Compounds. Chapter II. Physico-Chemical Properties of Lithium, by Yu. A. Ostroushko, et al.

RUSSIAN, Per, Khimiya i Tekhnologiya, 1960, pp 47-94.

AEC Tr 4940

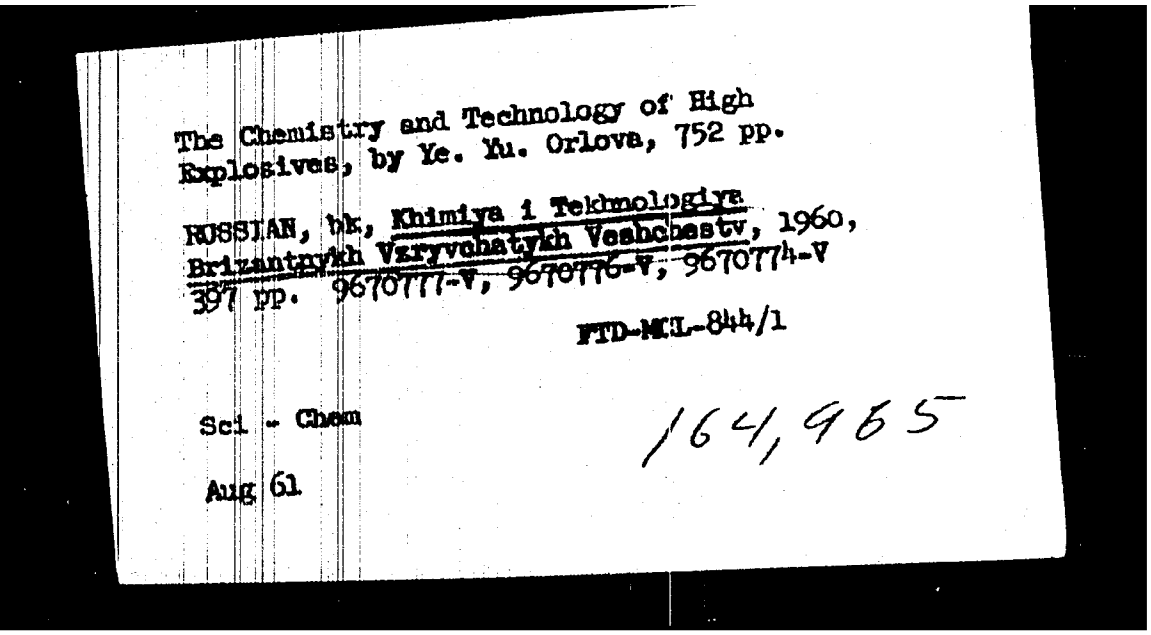
Sci. - Chem

May 65

232,936

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



The Chemistry and Technology of High Explosives, by Ye. Yu. Orlova, 752 pp.

RUSSIAN, bk, Khimiya i Tekhnologiya Brizantnykh Vzryvchatykh Veshchestv, 1960, 397 pp. 9670777-V, 9670776-V, 9670774-V

FTD-MIL-844/1

Sci - Chem

Aug 61

164,965

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Chemistry and Technology of Combustible Shales and Their Products, by A. S. Sinel'nikov.

RUSSIAN, bk, Khimiya i Tekhnologiya Goryuchikh Slantsev i Produktov ikh Pererabotki, Leningrad, No 6 1958.

OTS 61-11434
PST No 470

26,954

Apr 63

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Treatment of Water Resulting From Hydrogenation of Tar Produced by Semi-Coking, by G. N. Bazradetskiy, O. V. Nefedyeva, 6 pp.

RUSSIAN, monograph, Khimiya i Tekhnologiya Iskustvennogo Zhidkogo Topliva i Gaza, 1954, Encl to Ir-1077-55. CIA D 322487

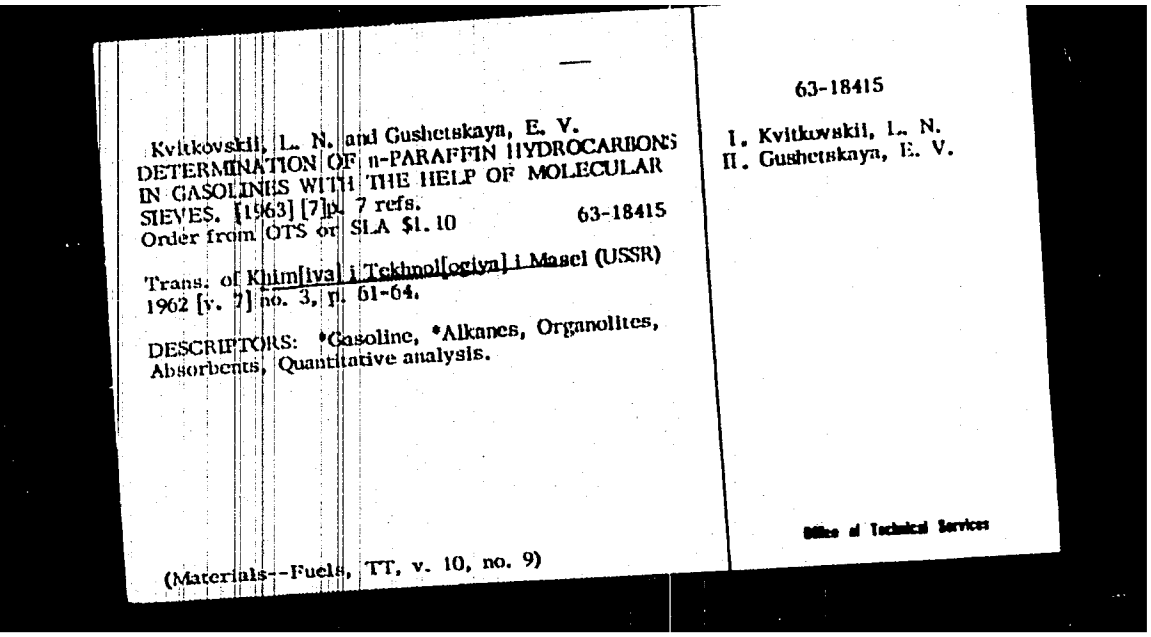
AF 692343

30,936

USSR
Sci - Chemistry, Fuels

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Kvitkovskii, L. N. and Gushetskaya, E. V.
DETERMINATION OF n-PARAFFIN HYDROCARBONS IN GASOLINES WITH THE HELP OF MOLECULAR SIEVES. [1963] [7]p. 7 refs.
Order from OTS or SLA $1.10 63-18415

Trans. of Khim[iya] i Tekhnol[ogiya] i Masel (USSR) 1962 [v. 7] no. 3, p. 61-64.

DESCRIPTORS: *Gasoline, *Alkanes, Organolites, Absorbents, Quantitative analysis.

(Materials--Fuels, TT, v. 10, no. 9)

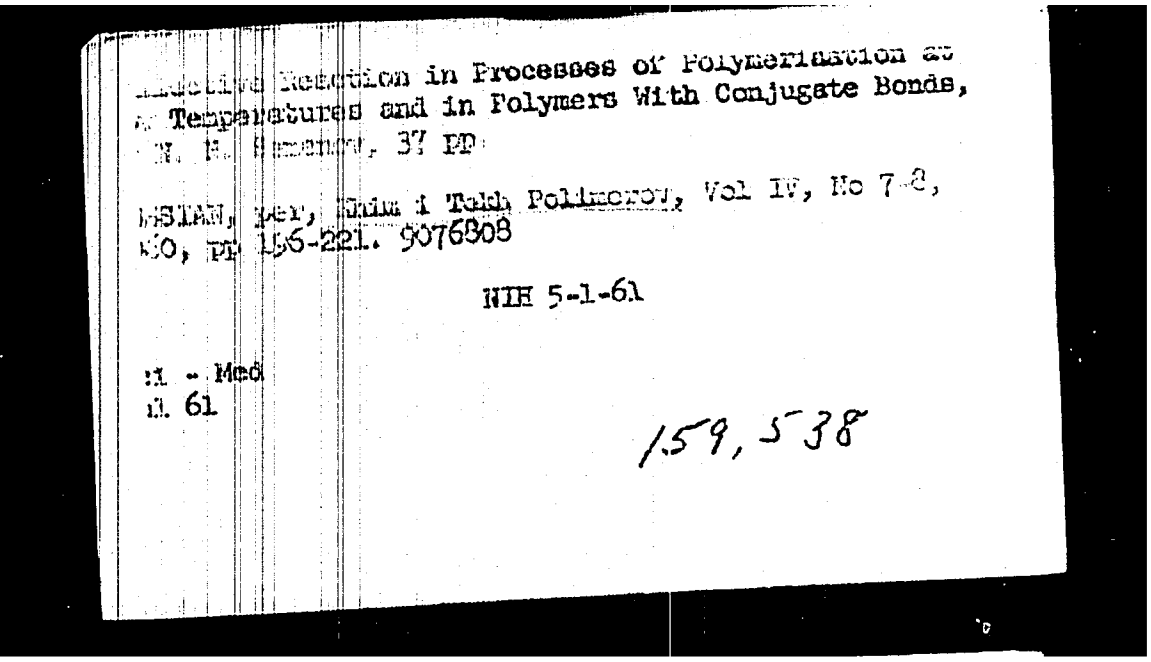
63-18415

I. Kvitkovskii, L. N.
II. Gushetskaya, E. V.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



...ctive Reaction in Processes of Polymerization at ... Temperatures and in Polymers With Conjugate Bonds, ... N. N. Semenov, 37 pp

...STAN, Ser. Khim i Tekh Polimerov, Vol IV, No 7-8, ...0, pp 195-221. 9076808

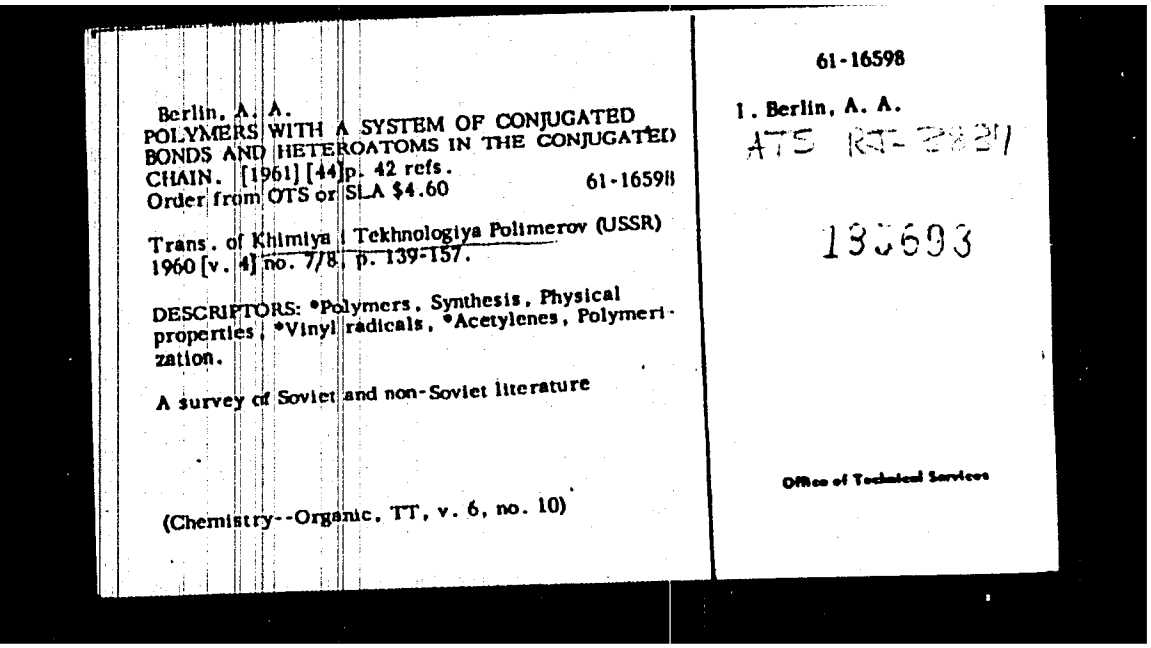
NIH 5-1-61

...1 - Med
...1. 61

159,538

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Berlin, A. A.
POLYMERS WITH A SYSTEM OF CONJUGATED BONDS AND HETEROATOMS IN THE CONJUGATED CHAIN. [1961] [44]p. 42 refs.
Order from OTS or SLA $4.60 61-16598

Trans. of Khimiya i Tekhnologiya Polimerov (USSR) 1960 [v. 4] no. 7/8, p. 139-157.

DESCRIPTORS: *Polymers, Synthesis, Physical properties, *Vinyl radicals, *Acetylenes, Polymerization.

A survey of Soviet and non-Soviet literature

(Chemistry--Organic, TT, v. 6, no. 10)

61-16598

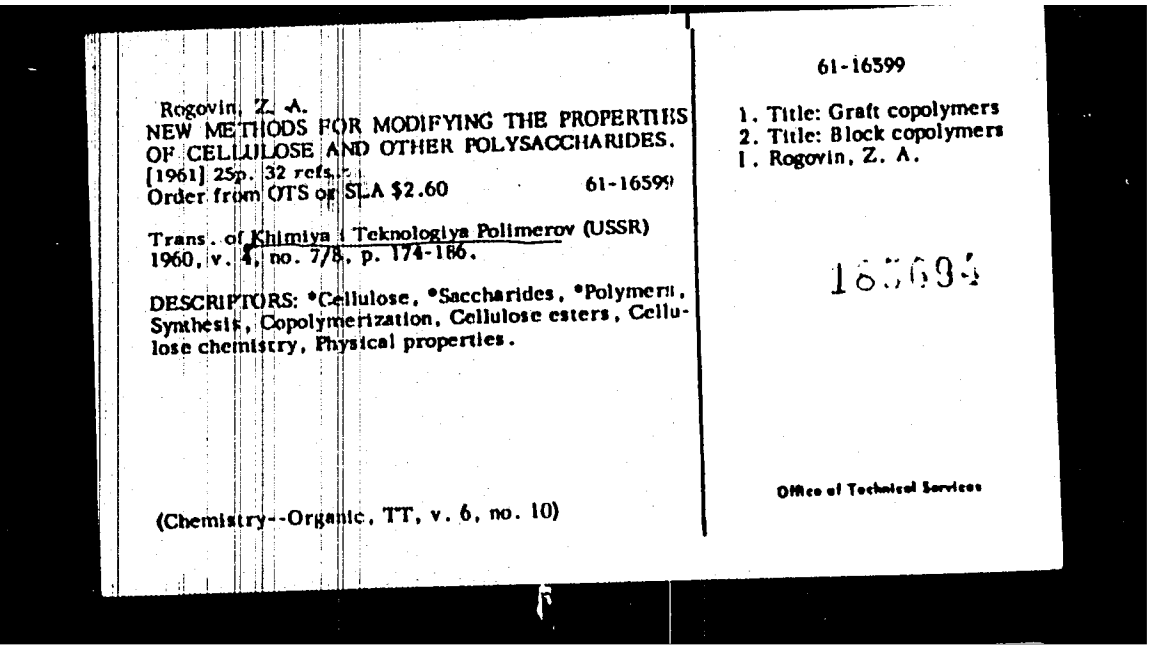
1. Berlin, A. A.
ATS RT-2821

135693

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Rogovin, Z. A.
NEW METHODS FOR MODIFYING THE PROPERTIES OF CELLULOSE AND OTHER POLYSACCHARIDES.
[1961] 25p. 32 refs.
Order from OTS or SLA $2.60 61-16599

Trans. of Khimiya i Teknologiya Polimerov (USSR) 1960, v. 4, no. 7/8, p. 174-186.

DESCRIPTORS: *Cellulose, *Saccharides, *Polymers, Synthesis, Copolymerization, Cellulose esters, Cellulose chemistry, Physical properties.

(Chemistry--Organic, TT, v. 6, no. 10)

61-16599

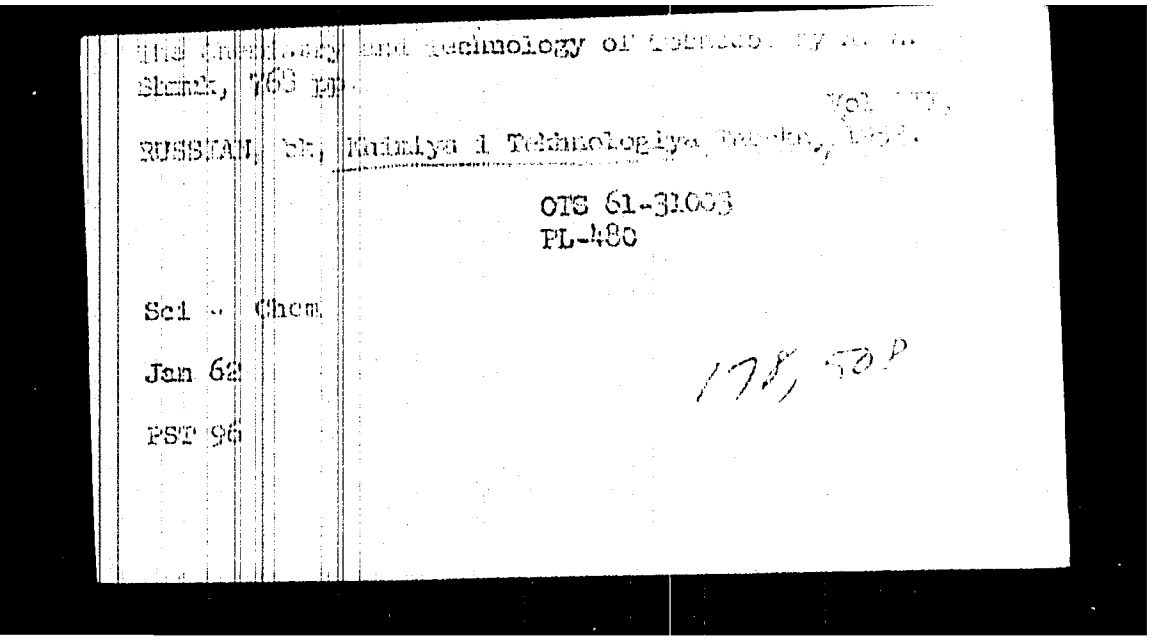
1. Title: Graft copolymers
2. Title: Block copolymers
I. Rogovin, Z. A.

165694

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



The [illegible] and Technology of [illegible]. By [illegible]
Shenk, 763 pp.

RUSSIAN, Sb, Khimiya i Tekhnologiya Topliv, [illegible].

OTS 61-31003
PL-480

Sci - Chem

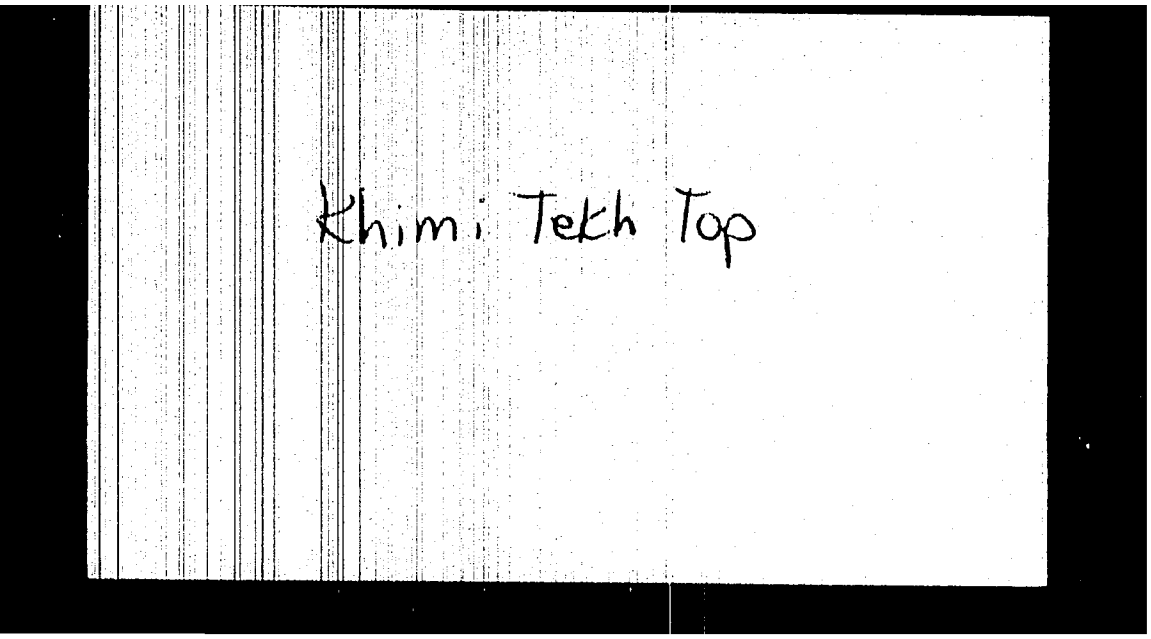
Jan 62

PST 96

178, 70 P

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Methods of Utilizing Atomic Energy in the Chemical Technology of Petroleum, by Yu. A. Kolbanovskiy, K. P. Lavrovskiy, 16 pp.

RUSSIAN, no per, Khim i Tekh Trm, Moscow, No 1, 1956, pp 1-17, Encl to IR 1019-57, AFOIN-1A1.

AF 1071265

44,099

Sci - Chemistry, fuels
Feb 1957 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Nature of Aromatics and Tars Contained in High-Boiling Petroleum Fractions, by L. G. Zherdeva, 23 pp.

RUSSIAN, no per, Khim i Tekh Topliva, No 1, 1956, pp 17-26, Encl to IR-1766-56, AFOIN-1A1.

AF 1041391

42, 885

USSR
Sci - Fuels
Jan 57 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Petroleum-Derived Stocks for the Production of Synthetic Fibers, by A. D. Sulimov, et al, 21 pp.

RUSSIAN, per, Khim i Tekh, No 1, Moscow, 1956, pp 33-43, Encl to IR No 1912-56, AFOIN-1A1.

AF 1068462

44,073

USSR
Econ
Sci - Fuels, Engr
Feb 1957 EX CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Lubricating Oils From Sulfurous Eastern Crudes, by L. G. Zherdeva, et al, 15 pp.

RUSSIAN, per, Khim i Tekh Top, No 1, 1956, pp 50-57, Encl to IR-1875-56, AFOIN-1A1.

AF 1052642

42,625

Sci - Fuels
Jan 57 OTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Antiwear Properties of Petroleum Oils, by G. V. Vinogradov, et al.

RUSSIAN, per, Khim i Tekhnol Topliva i Masel, Vol 5, No 1, 1956, pp 62-73.

ATS RJ-1201

Sci - Chem
Apr 60

114, 519

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

New Research on the Composition Of Crude Oils and Petroleum Products, 8 pp.

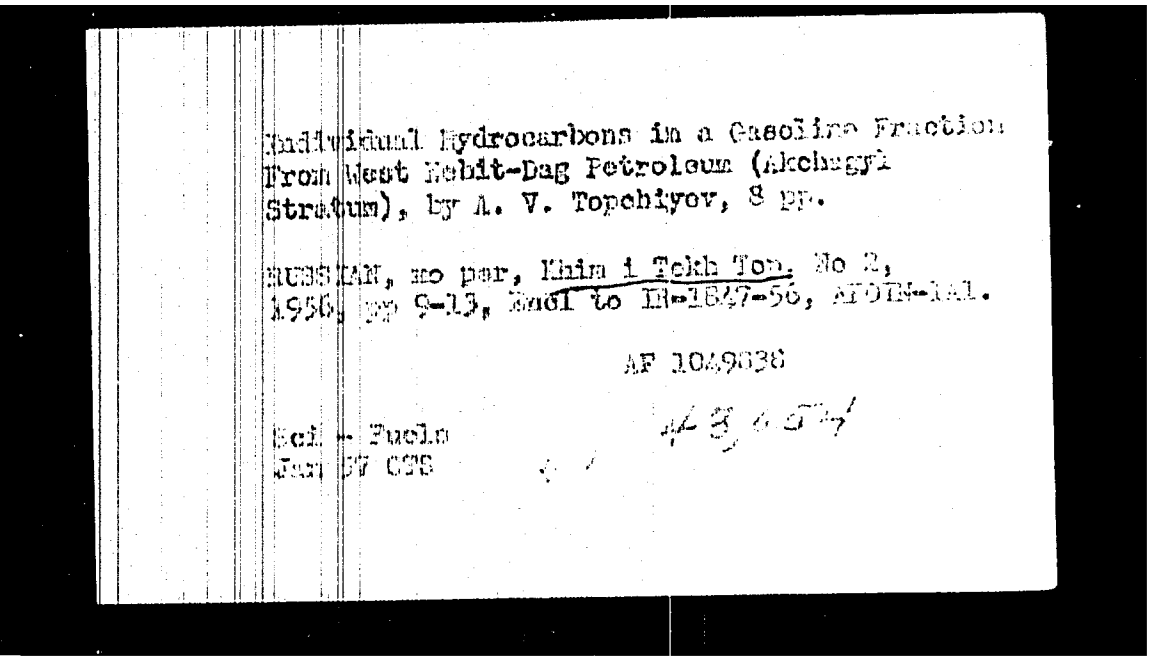
RUSSIAN, per, Khim i Tekh Topliva, No 2, 1956, pp 1-8, Encl to IR 1872-56.

AID 46,543

Sci - Fuels
April 57 CIS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Individual Hydrocarbons in a Gasoline Fraction From West Kebit-Dag Petroleum (Akchagyl Stratum), by A. V. Topchiyev, 8 pp.

RUSSIAN, no per, Khim i Tekh Ton, No 2, 1956, pp 9-13, Bndl to IN-1847-56, AFOIN-1a1.

AF 1049038

Fuels
Jan 57 CSS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Relative Anti-Oxidative and Other Chemophysical Properties of Naphthenic Hydrocarbons Contained in High Boiling Petroleum Fractions, by L. G. Zhardev, V. A. Potanin, B. B. Krol', 14 pp.

RUSSIAN, per, Khim i Tekh Top, No 2, 1956, pp 13-23, Encl to IR-1852-56, AFOIN-1A1.

AF 1054009

42,626

Sol - Fuels
Jan 57 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Composition of Gasoline From Zhirnoye Crudes, 9 pp.

RUSSIAN, per, Khim i Tekh Top, No 2, 1956, pp23-26, Encl to IR-1871-56, AFOIN, IAI.

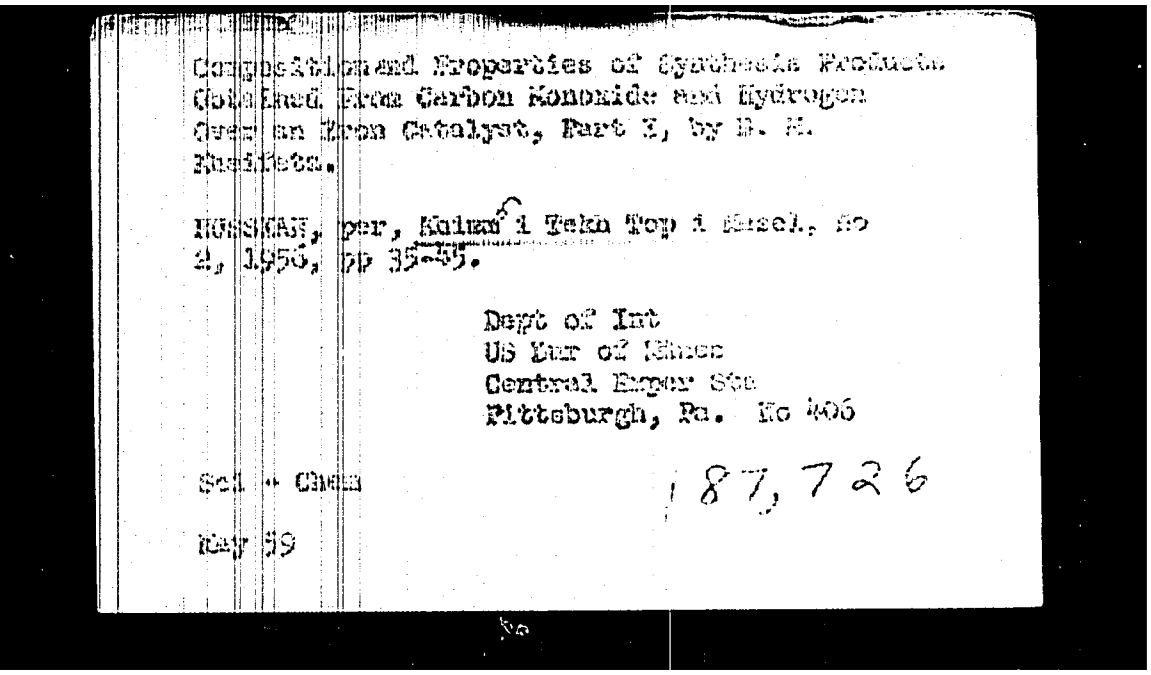
AID/Jan 57

Sci - Chem, Fuels

50,063

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Composition and Properties of Synthesis Products Obtained From Carbon Monoxide and Hydrogen Over an Iron Catalyst, Part I, by B. A. Kazanskiy.

RUSSIAN, per, Kolloid i Zeln Zop i Kisel., No 2, 1956, pp 35-55.

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh, Pa. No 406

Sci + Chem

May 59

187,726

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Growth of the Soviet Fuel Industry, 12 pp.

RUSSIAN, mp, Khim i Tekh Topliva, No 3, 1956, pp 1-7.
E Encl to SIR-2510.

AID 46,548

Sci - Fuels
Apr 57 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Catalytic Activity of Some Natural Siliceous Minerals and Particularly of Kieselguhr, Used as a Catalyst in the Synthesis of Hydrocarbons From Carbon Monoxide and Hydrogen, by A. N. Bashkirov, F. I. Novak, S. M. Loktev, V. V. Kamzolkin, 6 pp.

RUSSIAN, mo per, Khim i Tekh Topliva, No 3, 1956, pp 38-43, Encl to IR-1906-56, AFOIN-1A1.

AF 1068459 43,446

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

On the Properties of Paraffin-Base Oils at Low Temperatures, by G. V. Vinogradov, V. G. Lebedev. URCL

RUSSIAN, per, Khim i Tekh Topliva, No 3, 1956, pp 54-58.

The Thornton Research Centre
1023 OT/3426

Sci - Chemical Fuels
Jun 59

89,972

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Determination of the Amounts of Circulating Catalyst in Cracking Systems With Moving Powder Catalysts, by N. M. Indinkov

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 1-6.

Tech and Comm Tr
$55.00 40,589

Sci - Fuels
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Study of the Synthesis of Hydrocarbons From Carbon Monoxide and Hydrogen Over a Kieselguhr Catalyst, by A. N. Bashkirov, B. M. Loktev, 5 pp.

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 7-12, Encl to IR-1906-56, AFOIN-1A1.

AF 1068459

43,448

Sci - Fuels
Feb 1957 CTB/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Relation of the Physical-Chemical Properties of Synthetic Oils and the Structure of the Original Starting Hydrocarbons, by M. G. Rudenko

RUSSIAN, Ref zhur, Khim i Tekh Topliva, No 4, 1956, pp 13-19.

AEC/NP Trans
Tech and Comm Tr
$60.00

40,587

FTS RJ-11

Sci - Tech
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Some Characteristics of the Disintegration of (Steam) Coal in Relation to the Petrographic Composition, by T. A. Nekharenko

RUSSIAN, ms per, Khim i Tekh Topliva, No 4, 1956, pp 20-30.

Tech and Comm Tr
$105.00

#0,588

Sci - Fuels
Nov 56 CIS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Study of the Knock Stability of Automobile Gasoline on the Motor ZIS-120, by N. F. Kaibash

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 30-36.

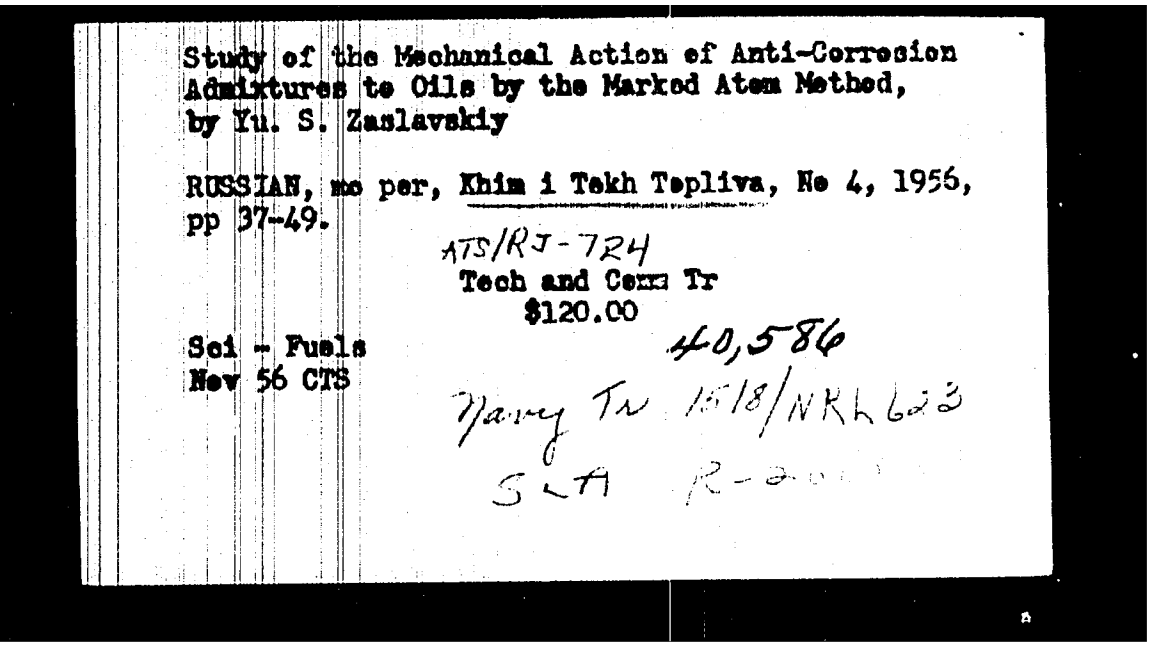
Tech and Comm Tr
$60.00

40,585

Sci - Fuels
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Study of the Mechanical Action of Anti-Corrosion Admixtures to Oils by the Marked Atom Method, by Yu. S. Zaslavskiy

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 37-49.

ATS/RJ-724
Tech and Comm Tr
$120.00

40,586

Sci - Fuels
Nov 56 CTS

Navy Tr 1518/NRL 623
SLA R-2

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Study of the Volatility Process of Heavy Cylinder Oils, by A. I. Piskunova

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 50-55.

Tech and Comm Tr
$60.00

40,583

Sol - Fuels
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Chemical Nature and the Action of Aluminum-Chromium Catalysts, by L. I. Piguzova

RUSSIAN, mp per, Khim i Tekh Topliva, No 4, 1956, pp 56-59.

Tech and Comm Tr
$30.00

40,584

Sci - Fuels
Nov 56 CTS

ATS/RJ-704

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Sludge Formation in Automobile Carburetor of Meters, by A. B. Vipper

RUSSIAN, mo per, Khim i Tekh Topliva, No 4, 1956, pp 59-62.

Tech and Comm Tr
$40.00

Sci - Fuels
Nov 56 CIS

40,581

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Effect of Water on the Stability of Admixtures in Motor Oils, by V. I. Sharapov

RUSSIAN, mo per, Khim i Tekh Topliva, No 4, 1956, pp 63,64.

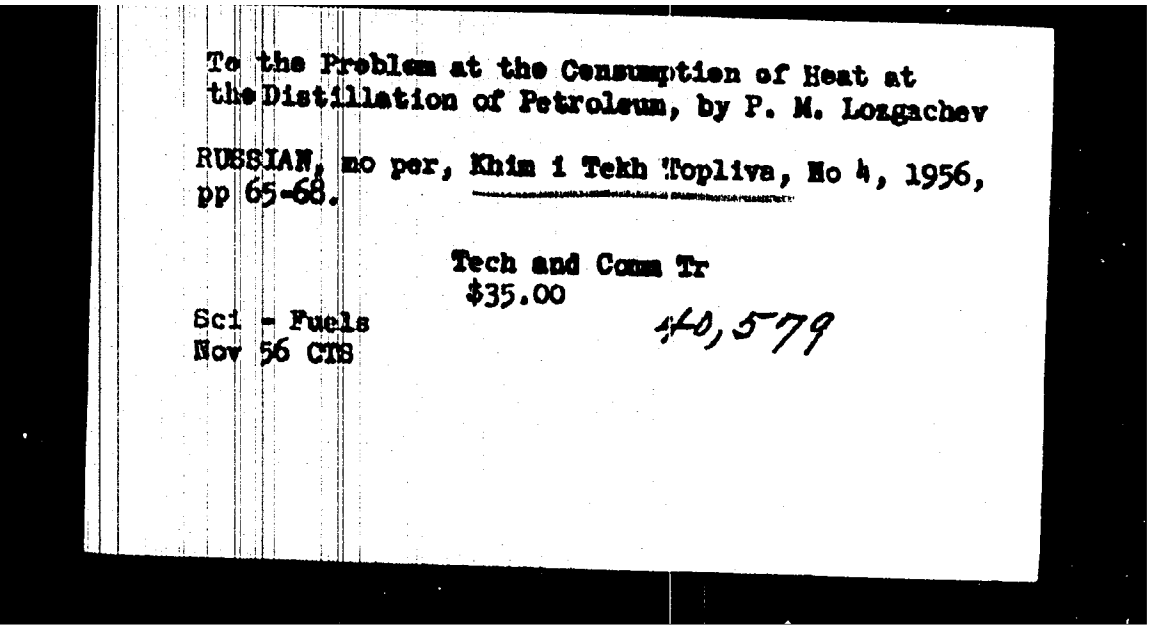
Tech and Comm Tr
$20.00

40,582

Sci - Fuels
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



To the Problem at the Consumption of Heat at the Distillation of Petroleum, by P. M. Lozgachev

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 65-68.

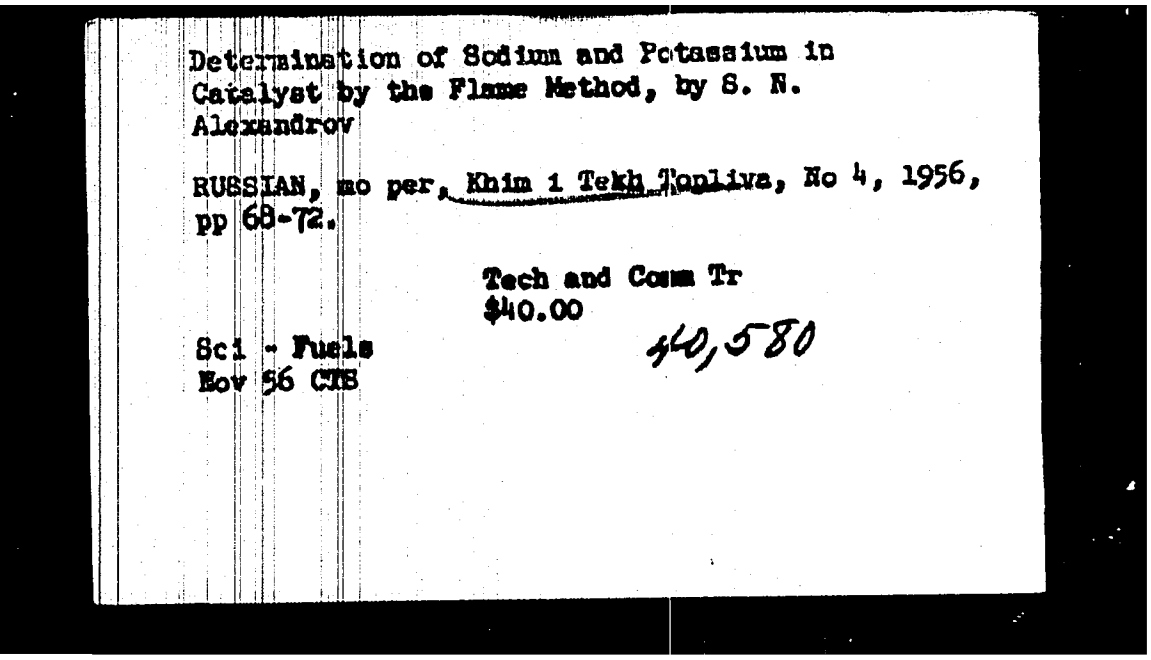
Tech and Comm Tr
$35.00

Sci - Fuels
Nov 56 CTS

40,579

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Determination of Sodium and Potassium in Catelyst by the Flame Method, by S. N. Alexandrov

RUSSIAN, no per, Khim i Tekh Topliva, No 4, 1956, pp 68-72.

Tech and Comm Tr
$40.00

40,580

Sci - Fuels
Nov 56 CTS

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Thermal Stability of Sulfur Compounds of Kuybyshev Oblast Crudes, by Ye. I. Skripnik, V. I. Isafulyants, I. K. Shtov, 12 pp.

RUSSIAN, per, Khim i Tekh Topliva, Moscow, No 5, 1956, pp 1-7.

ATIC F-TS-9068/V

Sci - Fuels
Mar 1957 GTS

45, 052

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Composition of Synthetic Hydrocarbons Produced From CO and H_2 Over Kieselguhr Catalysts, by A. N. Bashkirov, S. N. Loktev, M. I. Khotenskaya, 16 pp.

RUSSIAN, no por, Khim i Tekh Topliva, 1956, No 5, pp 18-22, Encl to IR-1906-56, AFOIN-1A1.

AF 1068459

43,447

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Relationship Between the Physicochemical Properties of Synthetic Oils and the Structure of the Original Hydrocarbons. Part 2, by M. G. Rudenko, V. N. Gromova.

RUSSIAN, mo per, Khim i Tekh Topliva, No 5, 1956, pp 43-47.

Assoc Tech Sv
Tr RJ-578
$4.95 52,233

Sci - Chem
Sep 57

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Vinogradov, G. V., Bezborod'ko, M. D. and others
ORGANOPHOSPHORUS ANTI-WEAR ADDITIVES FOR LUBRICATING OILS. [1961] [14]p. 1 ref. [DSIR NLL] M.4668.
Order from OTS or SLA $1.60 62-19125

Trans. of Khimiya i Tekhnologiya Topliv [i Masel] (USSR) 1956 [v. 1] no. 5, p. 47-59.

DESCRIPTORS: *Lubrication, *Oils, Additives, Friction, Organic compounds, Phosphorus compounds.

The distinct functional role of phosphorus and sulfur in thio-organophosphorus oil additives during the friction of steel against steel was established.

(Materials--Lubricants, TT, v. 7, no. 11)

62-19125

I. Vinogradov, G. V.
II. Bezborod'ko, M. D.
III. DSIR NLL M.4668

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Effect of Metals on the Lacquer-Forming Properties of Oils, by K. K. Papok, B. S. Zuseva.

RUSSIAN, mo per, Khim i Tekh Topliva, No 5, 1956, pp 64-69.

Assoc Tech Sv
Tr RJ-577
$7.80 52,231

Sci - Chem; Fuels
Sep 57

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Organophosphorus Antiwear Additives for Lubricating Oils, by I. V. Vinogradov, et al.

RUSSIAN, per, Khim i Tekhnol Topliva i Masel, Vol I, No 5, 1956, pp 47-59. 9194367

ATS RJ-1209

Sci - Chem
Apr 60

DSI 721
SLA TT64-21203
NH 518

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Liquid Normal Paraffins as a Raw Material for the Synthesis of Higher Fatty Acids, by V. K. Tsyskovskiy, Ts. N. Shcheglova, E. M. Nebylova, 8 pp.

RUSSIAN, per, Khim, i Teknol Topliva, No 6, 1956, pp 9-14.

Associated Tech Sv
Tr 69H 11R
ATS/RJ-716
54,484

Sci - Chemistry
Oct 57

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Investigation of the Mechanism of Action of Organothiophosphorus Oil Additives by Means of Radioactive Tracers, by G. V. Vinogradov, M. M. Kusakov, P. I. Sanin, 7 pp.

RUSSIAN, per, Khim i Tekhnol Topliva, No 6, 1956, pp 14-20.

Asso Tech Ser TOHIIR
ATI/RT-723

Jul 58

69, 945

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Splitting of Humic Acids by Metallic Sodium in Liquid Ammonia, by T. A. Kukharenko, T. E. Vvedenskaya.

RUSSIAN, per, Khim i Tekh Topliva, No 6, 1956, pp 25-34.

MLL M. 3599

Sci - Chem

Jul 62

207,185

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Effect of the Chemical Nature and Composition of Cracking Catalysts on the Stability of Their Activity, by L. I. Piguzova.

RUSSIAN, no per, Khim i Tekh Topliva, No 6, 1956, pp 43-54.

Assoc Tech Sv
RJ-573
$15.85 52,230

Sci - Chem; Fuels
Sep 57

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Methods of Determining the Strength of Spheroidal Silica-Alumina Catalysts, by A. A. Proshkin, 4 pp.

RUSSIAN, per, Khim i Tekhnol Topliva, No 6, 1956, pp 57-60.

Assoc Tekh Serv 71H11R
ATS/RT-703

Jul 58

69,993

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Problems of Chemical Kinetics in the Industry (Chemical Processes, Synthesis), by D. I. Orochko.

RUSSIAN, no per, Khim i Tekh Topliva, No 8, 1956, pp 1-8.

Tech and Comm

$65.00

48,909

Sci - Chemistry
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Hydrogenation of Aldehydes (C_6-C_8) in Alcohol, by S. Z. Levin.

RUSSIAN, no per, Khim i Tekh Topliva, No 8, 1956, pp 8-12.

Tech and Comm

$35.00

43,910

Sci - Chemistry
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Study of Kerosine-Gas Oil Fraction 200-350°C of th
Romashkinskiy Petroleum, by V. G. Nikolayeva.

RUSSIAN, mo per, Khim i Tekh Topliva, No 8, 1956,
pp 12-18.

Tech and Comm

$40.00

43,911

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Method of the Adsorption Analysis and Separation o
Hydrocarbon Gases, by A. M. Brodskiy.

RUSSIAN, mo per, Khim i Tekh Topliva, No 8, 1956,
pp 18-22.

Tech and Comm

$40.00

43,912

Sci - Chemistry
Feb 1957 CTB/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Influence of Various Factors on the Yield of Products of Thermal Cracking, by M. D. Tilicheyev.

RUSSIAN, no per, Khim i Tekh Topliva, No 8, 1956, pp23-31.

RF 1094447
Tech and Comm

$60.00

#3,915

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

In Influence of Caustic Admixtures on the Activity and Selectivity of Iron-Copper Catalysts, by B. R. Raynshteyn.

RUSSIAN, mo per, Khim i Tekh Topliva, No 8, 1956, pp 31-35.

Tech and Comm

$35.00

43,916

Sci - Chemistry
Feb 1957/ CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Optic Properties of Solutions of Humates and of Ashes of Humic Acids, by E. M. Aleksandrova.

RUSSIAN, no per, Khim i Tekh Topliva, No 8, 1956, pp 36-45.

Tech and Comm

$65.00

43,913

Sci - Chemistry
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Stoichiometric % Analysis of the Combustion and Gasification Process of Solid Fuels, by B. M. Derman.

RUSSIAN, no per, Khim i Tekh Topliva, No 8, 1956, pp 46-54.

Tech and Comm

$50.00

43,914

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Chemical Structure of Surface-Active Substances (Depressing Agents) Which Increase the Flow of Lubricating Oils at Low Temperatures, by P. I. Sanin.

RUSSIAN, no per, Khim i Tekh Topliva, No 8, 1956, pp 54-58.

AF 10,2127
Tech and Comm

$25.00

43,917

Sci - Chemistry
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Study of the Influence the Aging Products of Diesel Oil on the Change of the Wear-resisting Properties With the Radioactive Indicator Method, by N. I. Itinskaya.

RUSSIAN, mo per, Khim i Tekh Topliva, No 8, 1956, pp 58-65.

Tech and Comm
$60.00

43,918

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Means of Determining the Density of Saturated Vapor of Liquid Fuel, by I. P. Budarov.

RUSSIAN, mo per, Khim i Tekh Topliva, No 8, 1956, pp 65-68.

Tech and Comm

$ 25.00

43,919

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

The Results of the Conference on Kinetics and Chemistry of the Oxidation of Hydrocarbons in the Liqui Phase, by A. A. Gureyev.

RUSSIAN, mo per, Khim i Tekh Topliva, No 8, 1956, pp 69-72.

FF 1100+3

Tech and Comm

$40.00

#3,920

Sci - Chemistry
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

Hydro-purification of Distilled Fraction of Eastern Petroleum Without the Introduction of Hydrogen From Without, by A. D. Sulimov.

RUSSIAN, no per, Khim i Tekh Topliva, No 9, 1956, pp 1-11.

Dept of Agr TM TES, No 391

NF 107/366

Tech and Comm

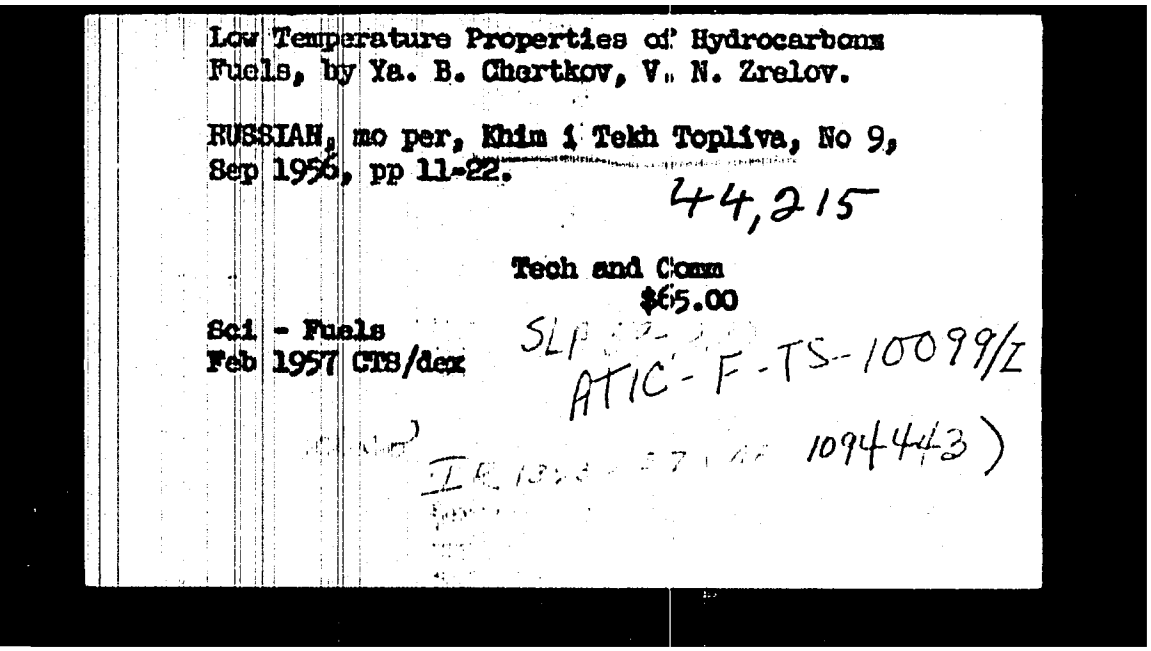
$65.00

43,937

Sci - Fuels
Feb 1957 CTS/dex

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1



Low Temperature Properties of Hydrocarbons Fuels, by Ya. B. Chertkov, V. N. Zrelov.

RUSSIAN, mo per, Khim i Tekh Topliva, No 9, Sep 1956, pp 11-22.

44,215

Tech and Comm
$5.00

Sci - Fuels
Feb 1957 CTS/dex

SLP
ATIC-F-TS-10099/I

(ASTIA 1094443)

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201130046-1